

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-306227

(43)Date of publication of application : 22.10.2002

(51)Int.CI.

A45C 11/04

B65D 49/12

B65D 77/20

B65D 81/28

B65D 85/38

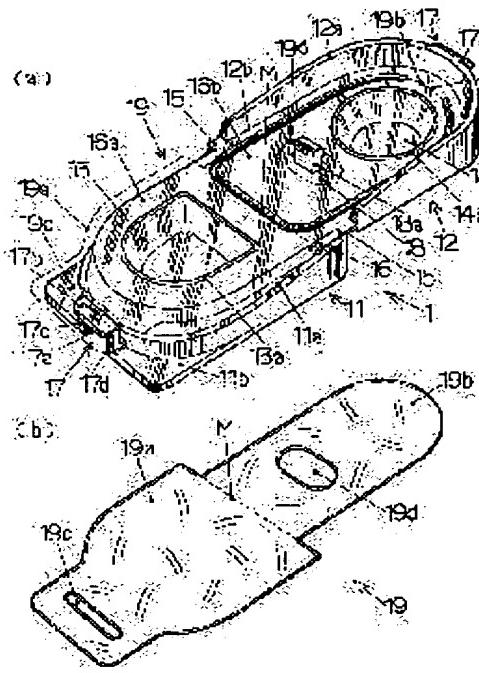
G02C 13/00

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(54) THROW-AWAY STORING AND KEEPING CONTAINER FOR CONTACT LENS



(57)Abstract:

PROBLEM TO BE SOLVED: To provide a throw-away storing and keeping container for preventing formation of a biological membrane in the contact lens container.

SOLUTION: In this storing and keeping container 1, a body 11 and a cover 12 are fitted through a keeping vessel packing 19a, the contact lens is kept in the keeping vessel 13, and the body 11 and the cover 12 are opened to break a fitting part 17. As the storing and keeping container is obliged to be thus thrown away, a biological membrane is not formed, so it is hygienic and convenient.

(19)日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11)特許出願公開番号

特開2002-306227

(P2002-306227A)

(43)公開日 平成14年10月22日 (2002. 10. 22)

(51)Int.Cl.⁷
A 45 C 11/04
B 65 D 49/12
77/20
81/28
85/38

識別記号

F I
A 45 C 11/04
B 65 D 49/12
77/20
81/28
G 02 C 13/00

テ-マコード^{*}(参考)
B 2 H 0 0 6
3 E 0 6 7
A 3 E 0 8 4
3 E 0 9 6

審査請求 有 請求項の数 7 O L (全 21 頁) 最終頁に続く

(21)出願番号

特願2001-119137(P2001-119137)

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(22)出願日

平成13年4月18日 (2001. 4. 18)

最終頁に続く

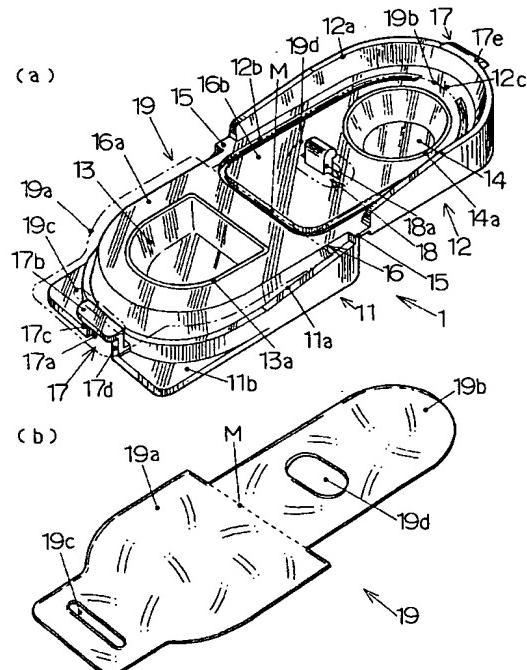
(54)【発明の名称】 コンタクトレンズ用使い捨て収納保存容器

(57)【要約】 (修正有)

【課題】 コンタクトレンズの容器にバイオフィルムが形成されるのを防止するため、使い捨ての収納保存容器を開発する。

【解決手段】 本体11と蓋体12を保存槽パッキン19aを介して嵌合させて保存槽13にコンタクトレンズを保存し、本体11と蓋体12を開くことにより嵌合部17が破壊される収納保存容器1を提供する。

【効果】 収納保存容器を物理的に使い捨てにせざるを得ず、バイオフィルムが形成されず衛生的かつ便利である。



【特許請求の範囲】

【請求項1】 コンタクトレンズ用の収納保存容器であって、使用後のコンタクトレンズの密封保存が可能であり、上記コンタクトレンズの再使用に際して上記密封保存状態の構成を開封することにより上記収納保存容器の構成の一部が不可逆的損傷を蒙り、上記収納保存容器の再使用が不可能となるような構成を有することを特徴とするコンタクトレンズ用使い捨て収納保存容器。

【請求項2】 コンタクトレンズ用の収納保存容器であって、洗浄槽と保存槽を有し、コンタクトレンズの収納保存に際しては上記保存槽が密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記密封手段の一部又は全部が不可逆的損傷を蒙り、上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする請求項1に記載のコンタクトレンズ用使い捨て収納保存容器。

【請求項3】 コンタクトレンズ用の収納保存容器であって、洗浄保存槽を有し、コンタクトレンズの収納保存に際しては上記洗浄保存槽が密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記密封手段の一部又は全部が不可逆的損傷を蒙り、上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする請求項1に記載のコンタクトレンズ用使い捨て収納保存容器。

【請求項4】 予め保存液が封入された保存槽を有する本体と予め洗浄液が封入された洗浄槽を有する蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部より構成され、コンタクトレンズの収納保存に際しては上記保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記嵌合部と上記係止部のうち少なくとも上記嵌合部が不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする請求項2に記載のコンタクトレンズ用使い捨て収納保存容器。

【請求項5】 予め洗浄保存液が封入された洗浄保存槽を有する本体と蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部より構成され、コンタクトレンズの収納保存に際しては上記洗浄保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記嵌合部と上記係止部のうち少なくとも上記嵌合部が不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする請求項3に記載のコンタクトレンズ用使い捨て収納保存容器。

【請求項6】 予め保存液が封入された保存槽を有する本体と予め洗浄液が封入された洗浄槽を有する蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部及び上記保存槽の開封孔に被着された開封用シールより構成され、コンタクトレンズの収納保存に際しては上記保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段のうち上記開封用シールを開封することにより上記開封用シールが不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする請求項2に記載のコンタクトレンズ用使い捨て収納保存容器。

【請求項7】 予め洗浄保存液が封入された洗浄保存槽を有する本体と蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部及び上記洗浄保存槽の開封孔に被着された開封用シールより構成され、コンタクトレンズの収納保存に際しては上記洗浄保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段のうち上記開封用シールを開封することにより上記開封用シールが不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする請求項3に記載のコンタクトレンズ用使い捨て収納保存容器。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】 本発明のコンタクトレンズ用使い捨て収納保存容器は一旦該収納保存容器に密封保存したコンタクトレンズの再使用に際し該コンタクトレンズを該収納保存容器より取り出すことにより該収納保存容器の構成の一部が破壊されて該収納保存容器の再使用が不可能となるような構成を有するコンタクトレンズ用使い捨て収納保存容器に関するものである。

【0002】

【従来の技術】 従来、コンタクトレンズを収納保存する容器は各種存在し、容器自体が使い捨てではなく、何度もコンタクトレンズの収納保存が可能なものであった
40 (1例として、特願平6-523579、コンタクトレンズ容器および使用方法)。

【0003】 また、容器自体が使い捨ての場合は必ずその中に収納されているコンタクトレンズも1回限りの使い捨てであり、1回限りの使い捨てのコンタクトレンズと1回限りの使い捨ての容器がセットで販売されているのが現状である。

【0004】

【発明が解決しようとする課題】 1回限りの使い捨てのコンタクトレンズと1回限りの使い捨ての容器がセットで販売されているものを購入して、上記1回限りの使い

捨てのコンタクトレンズと上記1回限りの使い捨ての容器の両者を使い捨てとして使用する場合には何等問題は発生しないが、再使用が可能なコンタクトレンズを再使用が可能な保存容器に繰り返し収納保存する場合には各種の問題が発生するのを避けることができなかった。

【0005】その諸問題のうち最大のものは衛生面での問題である。再使用が可能なコンタクトレンズの場合には装用者には細菌感染等より眼球を保護するために、毎日コンタクトレンズをケアすることが求められるのは周知の事実である。

【0006】ケアの方法としては、通常はコンタクトレンズを外したのち、洗浄液でコンタクトレンズを洗浄し、保存液の入った保存容器中にコンタクトレンズを浸漬し、容器を密封して保存する方法が採られている。あるいは洗浄と保存の両機能を有する洗浄保存液でコンタクトレンズを洗浄し、該洗浄保存液の入った保存容器中にコンタクトレンズを浸漬し、容器を密封して保存する方法を探る場合もある。

【0007】いずれの方法にせよ、装用者の関心はコンタクトレンズ本体の洗浄保存に向けられており、コンタクトレンズ本体の洗浄保存に関してはどの装用者も比較的熱心にこれを行う傾向が認められる。しかしながら、コンタクトレンズ本体を収納保存する容器の方の衛生状態については比較的無関心であり、容器まで毎日洗浄するという装用者は極めて少ないので現状である。

【0008】しかし、近年、コンタクトレンズ本体のケアと同様、コンタクトレンズ保存容器のケアの重要性も説かれる機会が増えてきており、医療サイドから、あるいはコンタクトレンズのメーカー・サイドから、コンタクトレンズ保存容器のケアの重要性が装用者に盛んにアピールされはじめている。

【0009】確かに、コンタクトレンズ保存容器内には抗菌性のある保存液、あるいは洗浄保存液が常時充填されているので一見すると清潔が保たれているように思われ、特にケアをせずに繰り返し使用しても大丈夫であると装用者の多くが考えてしまうのも無理からぬことといい得る。

【0010】しかしながら、近年バイオフィルムの問題が指摘されるようになり、改めて容器自体の衛生面でのケアが問題視されるようになってきた。

【0011】バイオフィルムとは、細菌同士が凝集して形成するフィルム状の細菌の集合体の意で、一旦このバイオフィルムが形成されるとこのバイオフィルムが鎧の役割を果たし、バイオフィルム内部の細菌は抗菌剤から守られ、その結果、殺菌、除菌が非常に困難となる。

【0012】このようなバイオフィルムは、工業界ではフィルターポンプの目詰まり現象などで以前から問題視されていたが、近年、慢性持続性感染症の問題に関して医学界でも話題にされるようになり、抗菌薬が有効量に達していても除菌されないという現象の原因とされるよ

うになってきた。

【0013】コンタクトレンズ業界にても、コンタクトレンズ保存容器にこのバイオフィルムが形成され、いくらレンズ自体をケアしても保存容器に形成されたバイオフィルム内に細菌が生き残り、この細菌がコンタクトレンズに付着し、さらに眼球に入り、感染症を引き起こすケースが少なからず存在することがわかつてき。

【0014】上記理由により医療サイドから、あるいはコンタクトレンズメーカー・サイドから、コンタクトレンズ保存容器もコンタクトレンズ同様毎日ケア（洗浄）を行い、バイオフィルムが形成されないようにすることが大切であるとのアピールがなされ始めた次第である。

【0015】しかしながら、装用者の側には、前記のように抗菌性の保存液あるいは洗浄保存液が充填された保存容器内部は当然清浄であるという固定観念が強く、コンタクトレンズ本体のケアは毎日行っても、保存容器のケアを毎日行う人は殆どいないのが現状である。

【0016】したがって、保存容器のケアのアピールを続行すると同時に、ケアを行わなくともコンタクトレンズを清浄に保存できるようなコンタクトレンズの保存手段の開発が望まれているのが現状である。

【0017】また、再使用が可能な従来のコンタクトレンズ用保存容器のもう1つの問題点として、毎日、コンタクトレンズを収納する度にコンタクトレンズ用保存容器を空にして保存液あるいは洗浄保存液を入れ替えねばならないという不便さがあった。

【0018】しかも、その際に、ボトルに入れられた状態の保存液あるいは洗浄保存液をコンタクトレンズ用保存容器内に充填するシステムであるため、充填中に誤って保存液あるいは洗浄保存液をこぼしてしまう等のトラブルも少なからずあり、不経済であった。

【0019】したがって、上記不具合を解消できる保存手段の開発が求められているのもまた現状である。

【0020】

【課題を解決するための手段】本発明は、上記課題を解決するためになされたものであり、以下の解決手段を提供するものである。

<解決手段1>コンタクトレンズ用の収納保存容器であって、使用後のコンタクトレンズの密封保存が可能であり、上記コンタクトレンズの再使用に際して上記密封保存状態の構成を開封することにより上記収納保存容器の構成の一部が不可逆的損傷を蒙り、上記収納保存容器の再使用が不可能となるような構成を有することを特徴とするコンタクトレンズ用使い捨て収納保存容器を提供する。

<解決手段2>コンタクトレンズ用の収納保存容器であって、洗浄槽と保存槽を有し、コンタクトレンズの収納保存に際しては上記保存槽が密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封す

ことにより上記密封手段の一部又は全部が不可逆的損傷を蒙り、上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする解決手段1に記載のコンタクトレンズ用使い捨て収納保存容器を提供する。

<解決手段3>コンタクトレンズ用の収納保存容器であって、洗浄保存槽を有し、コンタクトレンズの収納保存に際しては上記洗浄保存槽が密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記密封手段の一部又は全部が不可逆的損傷を蒙り、上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする解決手段1に記載のコンタクトレンズ用使い捨て収納保存容器を提供する。

<解決手段4>予め保存液が封入された保存槽を有する本体と予め洗浄液が封入された洗浄槽を有する蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部より構成され、コンタクトレンズの収納保存に際しては上記保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記嵌合部と上記係止部のうち少なくとも上記嵌合部が不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする解決手段2に記載のコンタクトレンズ用使い捨て収納保存容器を提供する。

<解決手段5>予め洗浄保存液が封入された洗浄保存槽を有する本体と蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部より構成され、コンタクトレンズの収納保存に際しては上記洗浄保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段を開封することにより上記嵌合部と上記係止部のうち少なくとも上記嵌合部が不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする解決手段3に記載のコンタクトレンズ用使い捨て収納保存容器を提供する。

<解決手段6>予め保存液が封入された保存槽を有する本体と予め洗浄液が封入された洗浄槽を有する蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部及び上記保存槽の開封孔に被着された開封用シールより構成され、コンタクトレンズの収納保存に際しては上記保存槽が上記密封手段により密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段のうち上記開封用シールを開封することにより上記開封用シールが不可逆的損傷を蒙り

上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする解決手段2に記載のコンタクトレンズ用使い捨て収納保存容器を提供する。

<解決手段7>予め洗浄保存液が封入された洗浄保存槽を有する本体と蓋体から構成され、上記密封手段がシート状パッキンを介して上記本体と上記蓋体を嵌合させる嵌合部及び係止部及び上記洗浄保存槽の開封孔に被着された開封用シールより構成され、コンタクトレンズの収納保存に際しては上記洗浄保存槽が上記密封手段により

10 密封されて上記コンタクトレンズの収納保存状態となり、上記コンタクトレンズの再使用に際しては上記密封手段のうち上記開封用シールを開封することにより上記開封用シールが不可逆的損傷を蒙り上記収納保存容器の再使用が不可能となるように構成されていることを特徴とする解決手段3に記載のコンタクトレンズ用使い捨て収納保存容器を提供する。

【0021】本発明のコンタクトレンズ用使い捨て収納保存容器においては、コンタクトレンズを一旦密封保存状態とした後、該コンタクトレンズを再使用する場合

20 に、上記密封保存状態の構成を開封することにより収納保存容器の構成のうちのいずれかの部分が不可逆的損傷を蒙り、その結果として収納保存容器の再使用が不可能となるような構成を探っている点に最大の特徴がある。

【0022】すなわち、解決手段4及び解決手段5の発明においては、密封手段としてシート状のパッキンを介して本体と蓋体を嵌合させる嵌合部及び係止部を用いるが、開封の際に少なくとも上記嵌合部が破壊（不可逆的損傷）され、収納保存容器の再使用が不可能となる。

【0023】また、解決手段6及び解決手段7の発明においては、密封手段としてシート状のパッキンを介して本体と蓋体を嵌合させる嵌合部及び係止部に加えて保存槽あるいは洗浄保存槽に穿設された開封孔に被着されている開封用シールを用いるが、開封の際に上記開封用シールを剥離することにより上記開封用シールの接着部が不可逆的損傷を蒙り、収納保存容器の再使用が不可能となる。

【0024】このように、1度使用することにより収納保存容器の構成のうちのいずれかの部分が不可逆的損傷を蒙り、その結果として収納保存容器の再使用が不可能となるような構成を探っているので、装用者は収納保存容器の再使用が物理的に不可能となり、使い捨てにせざるを得ない。

【0025】その結果としてコンタクトレンズは毎回常に新しい容器に収納保存されることになり、バイオフィルムが形成されることもあり得ず、極めて衛生的である。また、従来のように収納保存容器の保存槽に保存液を（あるいは洗浄保存槽に洗浄保存液を）ボトルから注ぐ必要がないので手間がかからず、保存液あるいは洗浄保存液をこぼす心配もない。

50 【0026】要するに、本発明は、1回限りで使い捨て

にせざるを得ない構成の収納保存容器を提供することにより、装用者に衛生面では完全に清浄で、使い勝手の点でも極めて便利なコンタクトレンズの保存手段を提供するものである。

【0027】

【発明の実施の形態】本発明を図面を参照しながら詳細に説明する。

<第1実施例>本発明の第1実施例は請求項4に記載された発明の1実施例である。本実施例の収納保存容器1は、未使用状態では、図1a、図1b、図3a～図3d、図4に示すように、保存槽13が設けられた本体11と洗浄槽14が設けられた蓋体12と本体11と蓋体12を接続する蝶番部15より構成されている。

【0028】本実施例の収納保存容器1は、未使用状態では保存槽13、洗浄槽14と共にシート状のパッキン19(図1b参照)により密封されている。すなわち、図3aに示すようにパッキン19は接着剤Pにより保存槽13の周辺部と洗浄槽14の周辺部に接着されている(点描部分が接着剤Pを表す)。なお、保存槽13には保存液(図示せず)が、洗浄槽14には洗浄液(図示せず)が密封充填されている。

【0029】図1b、図5a、図5bに見るようパッキン19は保存槽に被着される保存槽パッキン19aと洗浄槽に被着される洗浄槽パッキン19bが一体として連接されている。

【0030】保存槽パッキン19aと洗浄槽パッキン19bの境界線にはミシン目Mが入れられており、保存槽パッキン19aと洗浄槽パッキン19bを容易に切り離せるよう構成されている。また、保存槽パッキン19aの左方には孔19cが、洗浄槽パッキン19bの中央やや左方には孔19dが夫々穿設されている。

【0031】本実施例の収納保存容器1は全体が合成樹脂製で、本体11、蓋体12、蝶番部15は一体として成型されている。本体11と蓋体12は略同一の厚さで構成されるが、図1aに見るよう蝶番部15は本体11及び蓋体12に比較して薄く、合成樹脂の弾力性を利用して本体11と蓋体12を蝶着する構成となっている。

【0032】収納保存容器1の原材料としてはポリエチレン、ポリプロピレン、ポリエチレンテレフタレート等の合成樹脂が使用できる。また、シート状のパッキン19の原材料としてはポリエチレン等の合成樹脂が使用できる。

【0033】本体11と蓋体12には蝶番部15にて連続する平面部16が設けられており、平面部16は本体平面部16aと蓋体平面部16bより構成される。保存槽13は本体平面部16aに僅かの盛り上がりを有するフランジ13aに囲繞されて平面形状が逆D字状の椀状に形成されており、洗浄槽14は蓋体平面部16bに僅かの盛り上がりを有するフランジ14aに囲繞されて平面形状が円形状の椀状に形成されている。

【0034】本体11と蓋体12の周辺部には蝶番部15にて連続する本体片縁部11aと蓋体片縁部12aが設けられており、本体片縁部11aは本体平面部16aより低く、蓋体片縁部12aは蓋体平面部16bより高く、本体11と蓋体12を嵌合させた状態(図2a、図2b参照)で本体片縁部11aと蓋体片縁部12aがパッキン19の保存槽パッキン19aを挟着して嵌合するよう構成されている(後述のように、この状態では洗浄槽パッキン19bは遺棄されている)。

【0035】また、本体11の左端と蓋体12の右端には嵌合部17が設けられている(図1a参照)。本体11の左端には本体11の左端下部に設けられた安定板11bから直立する柱17c、17dに一体に渡設された係止片17bと係止片17bの下部に構成される開口部17aとが設けられている。

【0036】さらに蓋体12の蓋体片縁部12aの右端には突片17eが設けられており、本体11と蓋体12を嵌合させた状態(図2a、図2b)で突片17eが開口部17aに嵌合し係止片17bにより突片17eが係止されて本体11と蓋体12の嵌合状態が保持できるよう構成されている。

【0037】本体平面部16aの右端と蓋体平面部16b周囲には蓋体平面部16bを囲繞するよう帶状の溝部12bが穿設されている。溝部12bは蓋体12の右端部分にて不連続となっており、蓋体12の中央の蓋体平面部16bはこの不連続部分を橋梁部12cとして蓋体片縁部12aに一体に連接されている。

【0038】橋梁部12cの底面には図2a(本体11と蓋体12を嵌合させた状態)、図3a、図3dに示すように、橋梁部12cの前端部にリブ12eが、後端部にリブ12dが突設されており、リブ12eの前方部分は溝型の薄肉部12gとなり、リブ12dの後方部分は溝型の薄肉部12fとなっている。

【0039】蓋体平面部16bの洗浄槽14の左方には係止部18が設けられている。係止部18は鉤型の凸部18aより構成されており、本体11と蓋体12を嵌合させた状態(図2a、図2b参照)で凸部18aの鉤状先端部が本体平面部16aの底面に係止され、本体11と蓋体12の嵌合状態を保持し得るよう構成されている。したがって、本体11と蓋体12の嵌合状態は、前記嵌合部17と上記係止部18の2箇所により保持されるよう構成されている。

【0040】本実施例の収納保存容器1の作用を図6a～図7dにて説明する。図6a～図7dは説明図であるので細部(図1aに見るフランジ13a、14a等)は省略してある。

【0041】図6aは本実施例の収納保存容器1の未使用状態を示す。この状態では本体11と蓋体12が未嵌合で、本体平面部16aに保存槽パッキン19aが、蓋体平面部16bに洗浄槽パッキン19bが接着され、保存槽13には保存液(図示せず)が充填密封され、洗浄槽14には洗浄液(図示せず)が充填密封されている。なお、保存槽パッキン19aと洗浄槽パッキン19bは、図2aに示すように、本体片縁部11aと蓋体片縁部12aを介して嵌合する構成である。

キン19aと洗浄槽パッキン19bはミシン目Mで切り離されておらず、シート状パッキン19を形成している。

【0042】図6bに見るよう、コンタクトレンズCの装用者はコンタクトレンズCを外した後、まず洗浄槽パッキン19bを蓋体平面部16bより剥離しミシン目Mより切り離して遺棄する。これにて洗浄槽14は開封されるので、コンタクトレンズCを洗浄槽14の洗浄液（図示せず）にて洗浄する。洗浄後、洗浄液（図示せず）は遺棄される。この際、保存槽13はまだ密封状態であるので、保存槽13内の保存液（図示せず）は充填密封されたままである。

【0043】次に、図6cに見るよう、保存槽パッキン19aを3分の2程剥離させ、洗浄されたコンタクトレンズCを保存槽13内の保存液（図示せず）中に投入する。さらに、図6dのように蓋体12を蝶番部15を中心に反時計回りに回動させ、図6eのように本体11と蓋体12を嵌合させる。このとき、蓋体平面部16bの端部Tは反時計回りに回動して収納保存容器1全体の右端に突出する。

【0044】この際、図6dに見るよう、保存槽パッキン19aはその3分の2ほどが接着力を失っているが、保存槽パッキン19aの周辺部分が本体片縁部11aと蓋体片縁部12aの間に挿入されて保存槽13を密封するので、保存槽13内の保存液（図示せず）の漏洩を確実に防止する。

【0045】また、前述の嵌合部17の嵌合作用と係止部18の係止作用（図2b参照）により、本体11と蓋体12の嵌合状態は確実に保持されるものである。これにより、コンタクトレンズCは保存槽13の保存液（図示せず）中に安定的に保持される。

【0046】次に、コンタクトレンズCを再利用する際には、図7aに示すように収納保存容器1の右端に突出した状態の端部Tに指を掛けて強く上方に引上げる。これにより、まず係止部18の凸部18aが本体平面部16aの底面右端に係止された状態（図2b参照）から解除され、蓋体平面部16bは蓋体12の橋梁部12c（図2a参照）を支点として反時計回りの回動を開始する。

【0047】この際、図2aに見るよう、溝部12bによって隔てられかつ蝶番部15、15によって本体平面部16a（図1参照）に蝶着されている蓋体片縁部12aは静止状態にある。その結果、力学的不均衡のストレスは橋梁部12cの前後の薄肉部12f、12g（最も弱い部分・図2a参照）に集中し、この部分が破断される（図7b）。すなわち、橋梁部12cの構成は不可逆的損傷を蒙る。

【0048】次に、図7cに示すように、蓋体12の左方寄りの部分を指で摘み、この部分を強く引上げる。これにより、嵌合部17（図2b参照）の突片17eは開口部17aより強制的に抜脱されることとなり、係止片17bにストレスが加わり、柱17c、17dを含めた嵌合部17の構成が不可逆的損傷を蒙る。

【0049】これにより、本体11と蓋体12の嵌合状態は

完全に解除され、蓋体12は蝶番部15を中心として時計回りに回動し、図7dに示す状態となる。この際、突片17eが保存槽パッキン19aを載上したまま回動するので、保存槽パッキン19aも蓋体12と共に時計回りに回動し、保存槽13は開封状態となり、コンタクトレンズCを保存槽13より摘出可能となる。コンタクトレンズCを保存槽13より摘出後、再利用不能となった収納保存容器1は遺棄される。

【0050】<第2実施例>本発明の第2実施例は請求10項4に記載された発明の1実施例である。本実施例の収納保存容器2は、図8a～図8d、図9、図11a、図11bに示すように、保存槽23が設けられた本体21と洗浄槽24が設けられた蓋体22と本体21と蓋体22を接続する蝶番部25より構成されている。

【0051】本実施例の収納保存容器2は、未使用状態では保存槽23、洗浄槽24共にシート状のパッキン29（図11b参照）により密封されている。すなわち、図8aに示すようにパッキン29は接着剤Pにより保存槽23の周辺部分と洗浄槽24の周辺部分に接着されている（点描部分が接着剤Pを表す）。なお、保存槽23には保存液（図示せず）が、洗浄槽24には洗浄液（図示せず）が密封充填されている。

【0052】図11bに見るよう、パッキン29は保存槽23に被着される保存槽パッキン29aと洗浄槽24に被着される洗浄槽パッキン29bが一体として連接されている。保存槽パッキン29aと洗浄槽パッキン29bの境界線にはミシン目Mが入れられており、保存槽パッキン29aと洗浄槽パッキン29bを容易に切り離せるよう構成されている。また、保存槽パッキン29aの左端近傍には略長方形の孔29cが、洗浄槽パッキン29bの左端近傍には略長方形の孔29dが夫々穿設されている。

【0053】本実施例の収納保存容器2は全体が合成樹脂製で、本体21、蓋体22、蝶番部25は一体として成型されている。本体21と蓋体22は略同一の厚さで構成されるが、図8b、図11aに見るよう、蝶番部25は本体21及び蓋体22に比較して薄く、合成樹脂の弾力性を利用して本体21と蓋体22を蝶着する構成となっている。

【0054】収納保存容器2の原材料としてはポリエチレン、ポリプロピレン、ポリエチレンテレフタレート等40の合成樹脂が使用できる。また、シート状のパッキン29の原材料としてはポリエチレン等の合成樹脂が使用できる。

【0055】本体21と蓋体22は蝶番部25にて連続する平面部26をなしており、平面部26は本体平面部26aと蓋体平面部26bより構成される。保存槽23は本体平面部26aに平面形状が円形状の椀状に形成されており、洗浄槽24は蓋体平面部26bに円環の土手状のフランジ24aに囲繞されて平面形状が円形状の椀状に形成されている。

【0056】蓋体21を蝶番部25により回動させ本体21の50本体平面部26aと蓋体22の蓋体平面部26bを密接させた

状態（図10a、図10b、図11c）でフランジ24aが保存槽パッキン29aを介して保存槽23の上部に嵌合するよう構成されていい（後述のようにこの状態では洗浄槽パッキン29bは遺棄されている）。

【0057】図8aに見るよう本体21の右端部分から蓋体22の前端部分及び後端部分にかけては直線状の溝部22bが穿設されており、蓋体平面部26b及び洗浄槽24は平面形状が逆コ字状の該溝部22bに囲繞されている。したがって、蓋体平面部26bの前端及び後端は該溝部22bに区画されて細長い長方形形状の蓋体片縁部22aを形成している。

【0058】本体21の左端と蓋体22の右端には嵌合部27が設けられている。本体21の左端の嵌合部27は細長い長方形形状の孔27eであり、また、蓋体22の右端の嵌合部27は鉤状爪27b、27c、27dを有する頭部断面が三角形状の壁状凸部27aとなっている。

【0059】嵌合部27は本体21の本体平面部26aと蓋体22の蓋体平面部26bを密接させた状態（図10a、図10b、図11c）で壁状凸部27aが孔27eに嵌合し、鉤状爪27b、27c、27dが本体平面部26aの底面に係止され、洗浄槽24のフランジ24aが保存槽パッキン29aを介して保存槽23の上部に嵌合した状態が保持できるように構成されている。

【0060】蓋体平面部26bの左端近傍には係止部28が設けられている。係止部28は鉤状爪28b、28c、28dを有する頭部断面が三角形状の壁状凸部28aとなっており、本体21の本体平面部26aと蓋体22の蓋体平面部26bを密接させた状態（図10a、図10b、図11c）で鉤状爪28b、28c、28dが本体平面部26aの底面に係止されるよう構成されている。したがって、本体11と蓋体12の嵌合状態は、前記嵌合部17と上記係止部18の2箇所により保持されるよう構成されている。

【0061】保存槽23には保存液（図示せず）が充填密封され、洗浄槽24には洗浄液（図示せず）充填密封されている。なお、未使用状態においては保存槽パッキン29aと洗浄槽パッキン29bはミシン目Mで切り離されておらず、シート状パッキン29を形成している（図11a参照）。

【0062】以下に本実施例の収納保存容器2の作用を図12a～図13dによって説明する。図12a～図13dは説明図であるので、細部の構成は適宜省略してある。

【0063】図12aに見るよう、本実施例の収納保存容器2は、未使用状態では本体平面部26aと蓋体平面部26bが連続した一連の平面部26をなし、保存槽23には保存液（図示せず）が充填密封され、洗浄槽24には洗浄液（図示せず）充填密封され、シート状パッキン29により密封状態が保持されている。

【0064】図12bに見るよう、コンタクトレンズCの装用者はコンタクトレンズCを外した後、まず洗浄槽パッキン29bを蓋体平面部26bより剥離しミシン目Mよ

り切り離して遺棄する。これにて洗浄槽24は開封されるので、コンタクトレンズCを洗浄槽24の洗浄液（図示せず）にて洗浄する。洗浄後、洗浄液（図示せず）は遺棄される。この際、保存槽23はまだ密封状態であるので、保存槽23内の保存液（図示せず）は充填密封されたままである。

【0065】次に、図12cに見るよう保存槽パッキン29aを3分の2程剥離させ、洗浄されたコンタクトレンズCを保存槽23内の保存液（図示せず）中に投入する。

10 さらに、図12dのように蓋体22を蝶番部25を中心に反時計回りに回動させ、図12eのように本体21と蓋体22を嵌合させる。このとき、蓋体平面部26bの端部Tは反時計回りに回動して収納保存容器2全体の右端に突出する。

【0066】この際、図12dに見るよう、保存槽パッキン29aはその3分の2ほどが接着力を失っているが、保存槽パッキン29aが洗浄槽24のフランジ24aと保存槽23の上部との間に挿着されて保存槽23を密封するので、保存槽23内の保存液（図示せず）の漏洩を確実に防止する。

20 【0067】また、前述の嵌合部27の嵌合作用と係止部28の係止作用（図11c参照）により、本体21と蓋体22の嵌合状態は確実に保持されるものである。これにより、コンタクトレンズCは保存槽23の保存液（図示せず）中に安定的に保持される。

【0068】次に、コンタクトレンズCを再利用する際には、図13aに示すように収納保存容器2の右端に突出した状態の端部Tに指を掛けて強く上方に引上げる。これにより、まず係止部28の鉤状爪28b、28c、28dが本体平面部26aの底面右端に係止された状態（図11c参照）から解除され、蓋体平面部26bは嵌合部27を支点として反時計回りの回動を開始する。

【0069】この際、図8aに見るよう溝部22bによって隔てられかつ蝶番部25、25によって本体平面部26aに蝶着されている蓋体片縁部22aは静止状態にある。その結果、力学的不均衡のストレスは嵌合部27に集中し（図13b参照）、嵌合部27の本体21側の孔27eを変形させ、かつ蓋体22側の壁状凸部27a自体を変形させる。すなわち、嵌合部27の構成は不可逆的損傷を蒙る。

【0070】次に、図13cに示すように、蓋体22の左方40 寄りの部分を指で摘み、この部分を強く引上げる。これにより、嵌合部27の壁状凸部27a及び鉤状爪27b、27c、27dは開口部27eより強制的に抜脱されることとなり、嵌合部27にさらにストレスが加わり、孔27eと壁状凸部27aのさらなる変形を招き、嵌合部27の構成はより一層の不可逆的損傷を蒙る。

【0071】これにより、本体21と蓋体22の嵌合状態は完全に解除され、蓋体22は蝶番部25を中心として時計回りに回動し、図13dに示す状態となる。この際、鉤状爪27b、27c、27dが保存槽パッキン29aを掛止したまま回動するので、保存槽パッキン29aも蓋体22と共に時計

回りに回動し、保存槽23は開封状態となり、コンタクトレンズCは保存槽23より摘出可能となる。コンタクトレンズCを保存槽23より摘出後、再利用不能となった収納保存容器2は遺棄される。

【0072】<第3実施例>本発明の第3実施例は請求項4に記載された発明の1実施例である。本実施例の収納保存容器3は、図14a～図14c、図15、図18aに示すように、保存槽33が設けられた本体31と洗浄槽34が設けられた蓋体32と本体31と蓋体32を接続する蝶番部35より構成されている。

【0073】本実施例の収納保存容器3は、未使用状態では保存槽33、洗浄槽34共にシート状のパッキン39(図18b参照)により密封されている。すなわち、図14aに示すようにパッキン39は接着剤Pにより保存槽33の周辺部分と洗浄槽34の周辺部分に接着されている(点描部分が接着剤Pを表す)。なお、保存槽33には保存液(図示せず)が、洗浄槽34には洗浄液(図示せず)が充填密封されている。

【0074】図18bに見るようにパッキン39は保存槽33に被着される保存槽パッキン39aと洗浄槽34に被着される洗浄槽パッキン39bが一体として接続されている。保存槽パッキン39aと洗浄槽パッキン39bの境界線にはミシン目Mが入れられており、保存槽パッキン39aと洗浄槽パッキン39bを容易に切り離せるよう構成されている。また、保存槽パッキン39aの周辺部には孔39d、39d、39d、39dが、洗浄槽パッキン39bの周辺部には孔39c、39c、39c、39cが夫々穿設されている。

【0075】本実施例の収納保存容器3は全体が合成樹脂製で、本体31、蓋体32、蝶番部35は一体として成型されている。本体31と蓋体32は略同一の厚さで構成されるが、図14b、図18aに見るように蝶番部35は本体31及び蓋体32に比較して薄く、合成樹脂の弾力性を利用して本体31と蓋体32を蝶着する構成となっている。

【0076】収納保存容器3の原材料としてはポリエチレン、ポリプロピレン、ポリエチレンテレフタレート等の合成樹脂が使用できる。また、シート状のパッキン39の原材料としてはポリエチレン等の合成樹脂が使用できる。

【0077】図14b、図18aに見るように、本体31と蓋体32は蝶番部35にて接続する平面部36をなしており、平面部36は本体平面部36aと蓋体平面部36bより構成される。保存槽33は本体平面部36aに平面形状が円形状の椀状に形成されており、洗浄槽34は蓋体32の平面部36bに円環の土手状のフランジ34aに囲繞されて平面形状が円形状の椀状に形成されている。

【0078】蓋体31を蝶番部35により回動させ本体31の本体平面部36aと蓋体32の蓋体平面部36bを密接させた状態(図16b参照)でフランジ34aが保存槽パッキン39aを介して保存槽33の上部に嵌合するように構成されている。なお、この状態にては、後述のように洗浄槽パッキン39bは遺棄されている。

【0079】図14aに見るように本体31の右端部分から蓋体32の前端部分及び後端部分にかけてはスリット状の溝部32bが穿設されており、蓋体平面部36b及び洗浄槽34は該溝部32bに囲繞されている。したがって、蓋体平面部36bの前端及び後端は該溝部32bに区画されて細長い蓋体片縁部32aを形成している。該溝部32bは蓋体32右端には穿設されておらず、この部分は橋梁部32cとして蓋体平面部36b及び蓋体片縁部32aを一体に接続している。

【0080】本体31の保存槽33の左方、前方、後方、及び蓋体32の洗浄槽34の右方、前方、後方には嵌合部37が設けられている。本体31の3ヶ所の嵌合部37は平面形状が円形と正方形を接続した形状の孔37d、37e、37fであり、また、蓋体32の3ヶ所の嵌合部37は頭部に嘴状の突起を有する円柱状凸部37a、37b、37cとなっている(図14b、図14c、図18a参照)。

【0081】円柱状凸部37a、37b、37cは蓋体平面部36bに一体に突設されているが、その底面には先端が球状となった円柱状の薄肉用凹部Hが穿設されている。図17に円柱状凸部37bの縦断面図を示す(蓋体32と本体31の密接状態を示すので、上下が逆転している)。薄肉用凹部Hは円柱状凸部37bの中心にではなく偏芯して穿設されているので、片側は極めて肉が薄くなった薄肉部Uを形成している。該構成は円柱状凸部37a、37cも同様である。

【0082】嵌合部37は本体31の本体平面部36aと蓋体32の蓋体平面部36bを密接させた状態(図16a、図16b、図19、図20)で円柱状凸部37a、37b、37cの頭部の嘴状突起が孔37d、37e、37fに嵌合し、洗浄槽34のフランジ34aが保存槽パッキン39aを介して保存槽33の上部に嵌合した状態(図16b参照)が保持できるように構成されている。

【0083】平面部36の略中央には係止部38が設けられている。係止部38は本体平面部36a右端に形成され溝部32bに接続した孔38bと蓋体平面部36bの洗浄槽34の左方に突設された円柱状凸部38aより構成される。孔38bは孔37eと略左右対称の形状の平面形状を有し該平面形状の正方形部分が溝部32bに接続されている。円柱状凸部38aは円柱状凸部37a、37b、37cと同様頭部に嘴状突起を有しており、かつ底部には薄肉用凹部Hが穿設されている。

【0084】円柱状凸部38aと孔38bは、本体31の本体平面部36aと蓋体32の蓋体平面部36bを密接させた状態(図16a、図16b、図19、図20)で円柱状凸部38aの頭部の嘴状突起が本体平面部36aの右端底面に係止されるよう構成されている。したがって、本体31と蓋体32の嵌合状態は、嵌合部37と係止部38の2箇所により保持されるよう構成されている。

【0085】収納保存容器3の未使用状態にては、保存

槽33には保存液（図示せず）が充填密封され、洗浄槽34には洗浄液（図示せず）充填密封されている。また、保存槽パッキン39aと洗浄槽パッキン39bはミシン目Mにて連接され、シート状パッキン39を形成している。

【0086】以下に本実施例の収納保存容器3の作用を図21a～図22dにて説明する。図21a～図22dは説明図であるので、細部は適宜省略してある。

【0087】図21aに見るように、本実施例の収納保存容器3は、未使用状態では本体平面部36aと蓋体平面部36bが連続した一連の平面部36をなし、保存槽33には保存液（図示せず）が充填密封され、洗浄槽34には洗浄液（図示せず）充填密封され、シート状パッキン39により密封状態が保持されている。

【0088】図21bに見るように、コンタクトレンズCの装用者はコンタクトレンズCを外した後、まず洗浄槽パッキン39bを蓋体平面部36bより剥離しミシン目Mより切り離して遺棄する。これにて洗浄槽34は開封されるので、コンタクトレンズCを洗浄槽34の洗浄液（図示せず）にて洗浄する。洗浄後、洗浄液（図示せず）は遺棄される。この際、保存槽33はまだ密封状態があるので、保存槽33内の保存液（図示せず）は充填密封されたままである。

【0089】次に、図21cに見るように保存槽パッキン39aを3分の2程剥離させ、洗浄されたコンタクトレンズCを保存槽33内の保存液（図示せず）中に投入する。さらに、図21dのように蓋体32を蝶番部35を中心に反時計回りに回動させ、図21eのように本体31と蓋体32を嵌合させる。このとき、蓋体平面部36bの端部Tは反時計回りに回動して収納保存容器3全体の右端に突出する。

【0090】この際、図21dに見るように、保存槽パッキン39aはその3分の2ほどが接着力を失っているが、図21eに見るように保存槽パッキン39aが洗浄槽34のフランジ34aと保存槽33の上部との間に挿着されて保存槽33を密封するので、保存槽33内の保存液（図示せず）の漏洩を確実に防止する。

【0091】また、前述の嵌合部37の嵌合作用と係止部38の係止作用（図16b、図20参照）により、本体31と蓋体32の嵌合状態は確実に保持されるものである。これにより、コンタクトレンズCは保存槽33の保存液（図示せず）中に安定的に保持される。

【0092】次に、コンタクトレンズCを再利用する際には、図22aに示すように収納保存容器3の右端に突出した状態の端部Tに指を掛けて強く上方に引上げる。これにより、まず係止部38の円柱状凸部38aの頭部の嘴状突起が本体平面部36aの右端に係止された状態（図16b、図20参照）から解除され、蓋体平面部36bは蓋体32の橋梁部32cを支点として反時計回りの回動を開始せんとする（図22a参照）。

【0093】この際、まず円柱状凸部38aにストレスが集中するが、円柱状凸部38aの底面に穿設された薄肉用

凹部H（図16b参照）により円柱状凸部38aの基部の一部が薄肉化されているので、円柱状凸部38aはこの部分から破断され、これにより係止部38は不可逆的損傷を蒙る（図22a参照）。

【0094】また、係止部38が解除されたのちさらに端部Tを上方に引上げる力を加えると、図14aに見るように溝部32bによって隔てられかつ蝶番部35、35によって本体平面部36aに蝶着されている蓋体片縁部32aは静止状態にあるので、力学的不均衡のストレスは次に嵌合部37の円柱状凸部37a、37cに集中する（図22a参照）。

【0095】円柱状凸部37a、37cには底部に薄肉用凹部Hが穿設されていてその基部が薄肉化されているので、この部分が破断する。これにより、嵌合部37の構成は円柱状凸部37a、37cの部分にて不可逆的損傷を蒙る。同時に円柱状凸部37a、37cの頭部の嘴状突起が孔37d、37dに嵌合した状態が解除され、蓋体32は橋梁部32cを支点として端部Tが若干浮き上った状態となる（図22b参照）。

【0096】次に、図22cに示すように、蓋体32の左方寄りの部分を指で摘み、この部分を強く引上げる。これにより、嵌合部37の残る円柱状凸部37bに全てのストレスが集中する。円柱状凸部37bも底部に薄肉用孔Hが穿設されているので（図16b参照）基部が破断され、円柱状凸部37bの頭部の嘴状突起は嵌合していた孔37eから強制的に抜脱される。この際、孔37eも変形する。すなわち、嵌合部37は円柱状凸部37bの部分にても不可逆的損傷を蒙る。

【0097】これにより、本体31と蓋体32の嵌合状態は完全に解除され、蓋体32は蝶番部35を中心として時計回りに回動し、図22dに示す状態となる。この際、円柱状凸部37a、37b、37c及び円柱状凸部38aの頭部の嘴状突起が保存槽パッキン39aを掛止したまま回動するので、保存槽パッキン39aも蓋体32と共に時計回りに回動し、保存槽33は開封状態となり、コンタクトレンズCは保存槽33より摘出可能となる。コンタクトレンズCを保存槽33より摘出後、再利用不能となった収納保存容器3は遺棄される。

【0098】<第4実施例>本発明の第4実施例は請求項5に記載された発明の1実施例である。本実施例の収納保存容器4は、図23a～図23cに示すように、本体41と蓋体42及び本体41と蓋体42を一体として連接する蝶番部45より構成されている。

【0099】本体41と蓋体42は平面部46として連接されており、平面部46の本体部分には洗浄保存槽43が設けられ、平面部46の蓋体部分には上記洗浄保存槽43の上部に嵌合される大きさの円盤状凸部44が設けられている。

【0100】本実施例の収納保存容器4は、未使用状態では洗浄保存槽43がシート状のパッキン49により密封されている。すなわち、図23aに示すようにパッキン49は接着剤Pにより洗浄保存槽43の周辺部分に接着されてい

る（点描部分が接着剤Pを表す）。なお、洗浄保存槽43には洗浄保存液（図示せず）が充填されている。

【0101】平面部46には嵌合部47及び係止部48が設かれているが、その構成は実施例3の嵌合部37及び係止部38（図14a～図20参照）と同一であるので詳細な説明は省略する。また、蝶番部45の構成も実施例3の蝶番部35（図14b参照）の構成と同一である。さらに材質も実施例3と同様の材質が使用できる。パッキン49も実施例3のパッキン39（図18b参照）と同様の材質が使用できる。

【0102】すなわち、本実施例の収納保存容器4は、実施例3の収納保存容器3（図14a～図20参照）にて洗浄槽34を取り去り、保存槽33を洗浄保存槽43としたもので、洗浄保存液（図示せず）のみを用いるコンタクトレンズの保存方法に対応する容器である。したがって、実施例3における洗浄槽34のフランジ34aの代わりに円盤状凸部44（図23a、図23b参照）を設けて蓋体42と本体41のパッキン49を介した嵌合密封状態（図23c参照）を確実なものとするように構成してある。

【0103】すなわち、図23cに見るように、蓋体42に一体に設けられた円盤状凸部44が本体41の洗浄保存槽43の上部にパッキン49を介して嵌合されることにより、洗浄保存槽43の水密構成が確実に保持される。なお、嵌合部47の嵌合状態及び係止部48の係止状態は実施例3の保存容器3の嵌合部37の嵌合状態及び係止部38の係止状態（図16a、図16b、図20）と同一である。

【0104】本実施例の収納保存容器4の作用は、独立の洗浄槽を有しないで洗浄槽にてコンタクトレンズを洗浄する工程は省略されるが、爾後の工程は図21c～図21e、図22a～図22dに示す実施例3の収納保存容器3の作用と略同一である。

【0105】なお、本実施例における独立した洗浄槽を有しない構成は、実施例1あるいは実施例2にも当然適用可能である。

【0106】<第5実施例>本発明の第5実施例は請求項5に記載された発明の1実施例である。本実施例の収納保存容器5は、図24a～図24dに示すように、別部品としての本体51と蓋体52より構成される。本体51の本体平面部55には洗浄保存槽53が設けられ、蓋体平面部56には上記洗浄保存槽53の上部に嵌合される大きさの円盤状凸部54が設けられている。

【0107】本実施例の収納保存容器5は、未使用状態では洗浄保存槽53がシート状のパッキン59により密封されている。すなわち、図24aに示すようにパッキン59は接着剤Pにより洗浄保存槽53の周辺部に接着されている（点描部分が接着剤Pを表す）。なお、洗浄保存槽53には洗浄保存液（図示せず）が充填されている。

【0108】本体平面部55及び蓋体平面部56には嵌合部57及び係止部58が設けられているが、その構成は実施例3の嵌合部37及び係止部38（図14a～図20参照）と同一

であるので詳細な説明は省略する。また、材質も実施例3と同様の材質が使用できる。パッキン59も実施例3のパッキン39（図18b参照）と同様の材質が使用できる。

【0109】すなわち、本実施例の収納保存容器5は、実施例3の収納保存容器3（図14a～図20参照）にて洗浄槽34を取り去り、保存槽33を洗浄保存槽53とし、さらに蝶番部35も取り去って本体51と蓋体52を別部品としたもので、洗浄保存液（図示せず）のみを用いるコンタクトレンズの保存方法に対応する容器である。

【0110】したがって、実施例4同様、実施例3における洗浄槽34のフランジ34aの代わりに円盤状凸部54（図24b、図24d参照）を設けて蓋体52と本体51のパッキン59を介した嵌合密封状態（図25c参照）を確実なものとするように構成してある。

【0111】すなわち、図25cに見るように、蓋体52に一体に設けられた円盤状凸部54が本体51の洗浄保存槽53の上部にパッキン59を介して嵌合されることにより、洗浄保存槽53の水密構成が確実に保持される。なお、嵌合部57の嵌合状態及び係止部58の係止状態は実施例3の収納保存容器3の嵌合部37の嵌合状態及び係止部38の係止状態（図16a、図16b、図20）と同一である。

【0112】本実施例の収納保存容器5の作用は、独立の洗浄槽を有しないで洗浄槽にてコンタクトレンズを洗浄する工程は省略されるが、爾後の工程は図21c～図21e、図22a～図22dに示す実施例3の収納保存容器3の作用と略同一である。

【0113】ただ、本体51と蓋体52が独立した別部品であるので、実施例3における図21dから図21eの工程及び図22cから図22dの工程においては蝶番部で蓋体52を回動させるのではなく、蓋体52を指先で摘んで本体51に嵌脱する構成となる。なお、本実施例における蝶番部を有しない構成は、第1実施例、第2実施例にも当然適用可能である。

【0114】<第6実施例>本発明の第6実施例は請求項6に記載された発明の1実施例である。本実施例の収納保存容器6（図26a、図26b参照）は、第3実施例の保存容器3の構成において、保存槽33の構成をシール付保存槽63に変更したもので、これに伴い、蓋体61に突設される円柱状凸部E（保存容器3の円柱状凸部37a、37b、37c、38aに対応）の構成も若干変更される。爾余の構成は第3実施例の収納保存容器3の構成と同一である。

【0115】すなわち、本実施例の収納保存容器6においては本体61に設けられた保存槽63の底面に保存槽63の直径の3分の2程度の直径を有する開封孔Kが穿設されており（図26aは底面図である）、該開封孔Kより直接保存槽63内のコンタクトレンズCを取り出せるように構成されている（図32参照）。

【0116】未使用状態では図26a、図26bに見るようにシール付保存槽63の底面は略卵形状の開封用シールS

により密封されている。すなわち、開封用シールSは接着剤Pにより保存槽63の底面の開封孔Kの周辺部分に接着されているので、シール付保存槽63の内部は密封状態にある（点描部分が接着剤Pを表す）。この場合、接着剤Pは一旦剥離されると元の接着力を失う種類のものとする。なお、図28、図30には本体61と蓋体62を嵌合させた状態を示す。

【0117】本実施例の作用は、コンタクトレンズCの保存の際には第3実施例の収納保存容器3と略同一（図21a～図21e参照）である。しかしコンタクトレンズCを再利用せんとする場合には図32に見るように保存容器6全体を裏返してシール付保存槽63の底面を上に向か、開封用シールSをシール付保存槽63の底面より全部又は一部剥離させ、開封孔KよりコンタクトレンズCを取り出すだけで良い。

【0118】接着剤P（図26a参照）は一旦剥離されると元の接着力を失うので、開封用シールSをシール付保存槽63の底面に再接着することは不可能である。すなわち、本実施例の保存容器6は開封用シールSをシール付保存槽63の底面から剥離することにより、その構成に不可逆的損傷を蒙るものである。

【0119】したがって、本実施例においては、第1実施例～第5実施例のように嵌合部あるいは嵌合部と係止部が不可逆的損傷を蒙る構成にする必然性はない。それゆえに、本実施例においては、図26a、図26bに示すように蓋体62の上面に突設された円柱状凸部Eに、保存容器3の円柱状凸部37a、37b、37c、38aに設けられていた薄肉用凹部H（図14a、図17参照）が設けられていない。

【0120】本実施例におけるシール付保存槽63の構成は、当然第1実施例の保存槽13（図4参照）、第2実施例の保存槽23（図9参照）にも適用可能である。

【0121】<第7実施例>図27、図29に示す第7実施例の収納保存容器7は第4実施例における保存容器4の洗浄保存槽43（図23b参照）を、底面に開封孔Kと開封用シールSを有するシール付洗浄保存槽73に変更したものである。したがって、円柱状凸部Eも薄肉用凹部を有しない構成となっている。なお、71は本体、72は蓋体である。

【0122】<第8実施例>図31に示す第8実施例の収納保存容器8は第5実施例における保存容器5の洗浄保存槽53（図24c参照）を、底面に開封孔Kと開封用シールSを有するシール付洗浄保存槽83に変更したものである。したがって、円柱状凸部Eも薄肉用凹部を有しない構成となっている。なお、81は本体、82は蓋体である。

【0123】

【発明の効果】本発明のコンタクトレンズ用使い捨て収納保存容器は1度使用することにより収納保存容器の構成のうちのいずれかの部分が不可逆的損傷を蒙り、その結果として収納保存容器の再使用が不可能となるような

構成を探っているので、装用者は収納保存容器の再使用が物理的に不可能となり、使い捨てにせざるを得ない。

【0124】その結果としてコンタクトレンズは毎回常に新しい収納保存容器に収納保存されることになり、バイオフィルムが形成されることもあり得ず、極めて衛生的である。また、従来のように収納保存容器の保存槽に保存液を（あるいは洗浄保存槽に洗浄保存液を）ボトルから注ぐ必要がないので手間がかからず、保存液あるいは洗浄保存液をこぼす心配もない。

【0125】要するに、本発明は、1回限りで使い捨てにせざるを得ない構成の収納保存容器を提供することにより装用者に衛生面では完全に清潔で、使い勝手の点でも極めて便利なコンタクトレンズの保存手段を提供するものである。

【図面の簡単な説明】

【図1】a 本発明の第1実施例の外観斜視図である。
b 本発明の第1実施例のパッキンの外観斜視図である。

【図2】a 本発明の第1実施例の本体と蓋体を嵌合させた状態を平面側から俯瞰した外観斜視図である。
b 本発明の第1実施例の本体と蓋体を嵌合させた状態を底面側から俯瞰した外観斜視図である。

【図3】a 本発明の第1実施例の平面図である。
b 本発明の第1実施例の一部を欠截した正面図である。
c 本発明の第1実施例の左側面図である。
d 本発明の第1実施例の右側面図である。

【図4】図3aのA-A断面図である。

【図5】a 本発明の第1実施例のパッキンの平面図である。
b 本発明の第1実施例のパッキンの正面図である。

【図6】a～e 本発明の第1実施例の作用を説明する参考説明図である。

【図7】a～d 本発明の第1実施例の作用を説明する参考説明図である。

【図8】a 本発明の第2実施例の平面図である。
b 本発明の第2実施例の正面図である。
c 本発明の第2実施例の左側面図である。
d 本発明の第2実施例の右側面図である。

【図9】図8のA-A断面図である。

【図10】a 本発明の第2実施例の本体と蓋体を嵌合させた状態の平面図である。

b 図10aのA-A断面図である。

【図11】a 本発明の第2実施例の外観斜視図である。
b 本発明の第2実施例のパッキンの外観斜視図である。

c 本発明の第2実施例の本体と蓋体を嵌合させた状態を底面側から見た外観斜視図である。

【図12】a～e 本発明の第2実施例の作用を説明する参考説明図である。

【図13】 a～d 本発明の第2実施例の作用を説明する参考説明図である。

【図14】 a 本発明の第3実施例の平面図である。

b 本発明の第3実施例の正面図である。

c 本発明の第3実施例の右側面図である。

【図15】 図14aのA-A断面図である。

【図16】 a 本発明の第3実施例の本体と蓋体を嵌合させた状態の平面図である。

b 図10aのA-A断面図である。

【図17】 図16bの要部の拡大図である。

【図18】 a 本発明の第3実施例の外観斜視図である。

b 本発明の第3実施例のパッキンの外観斜視図である。

【図19】 本発明の第3実施例の本体と蓋体を嵌合させた状態を平面側から見た外観斜視図である。

【図20】 本発明の第3実施例の本体と蓋体を嵌合させた状態を底面側から見た一部を欠截した外観斜視図である。

【図21】 a～e 本発明の第3実施例の作用を説明する参考説明図である。

【図22】 a～d 本発明の第3実施例の作用を説明する参考説明図である。

【図23】 a 本発明の第4実施例の平面図である。

b 本発明の第4実施例の正面図である。

c 本発明の第4実施例の本体と蓋体を嵌合させた状態の縦断面図である。

【図24】 a 本発明の第5実施例の本体の平面図である。

b 本発明の第5実施例の蓋体の平面図である。

c 本発明の第5実施例の本体の正面図である。

d 本発明の第5実施例の蓋体の正面図である。

【図25】 a 本発明の第5実施例の本体と蓋体を嵌合させた状態の平面図である。

b 本発明の第5実施例の本体と蓋体を嵌合させた状態の正面図である。

c 図25aのA-A断面図である。

【図26】 a 本発明の第6実施例の平面図である。

b 図26aのA-A断面図である。

【図27】 本発明の第7実施例の長手方向の縦断面図である。

【図28】 本発明の第6実施例の本体と蓋体を嵌合させた状態の縦断面図である。

【図29】 本発明の第7実施例の本体と蓋体を嵌合させた状態の縦断面図である。

【図30】 本発明の第6実施例の底面側から見た一部を欠截した外観斜視図である。

【図31】 a 本発明の第8実施例の本体の縦断面図である。

b 本発明の第8実施例の蓋体の縦断面図である。

【図32】 本発明の第6実施例の作用を説明する参考説明

図である。

【符号の説明】

1 収納保存容器

11本体

11a 本体片縁部

11b 安定板

12蓋体

12a 蓋体片縁部

12b 溝部

12c 橋梁部

12d リブ

12e リブ

12f 薄肉部

12g 薄肉部

13保存槽

13a フランジ

14洗浄槽

14a フランジ

15蝶番部

20 16平面部

16a 本体平面部

16b 蓋体平面部

17嵌合部

17a 開口部

17b 係止片

17c 柱

17d 柱

17e 突片

18係止部

30 18a 凸部

19パッキン

19a 保存槽パッキン

19b 洗浄槽パッキン

19c 孔

19d 孔

2 収納保存容器

21 本体

22 蓋体

22a 蓋体片縁部

40 22b 溝部

23 保存槽

24 洗浄槽

24a フランジ

25 蝶番部

26 平面部

26a 本体平面部

26b 蓋体平面部

27 嵌合部

27a 壁状凸部

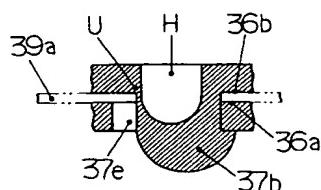
27b 鈎状爪

50

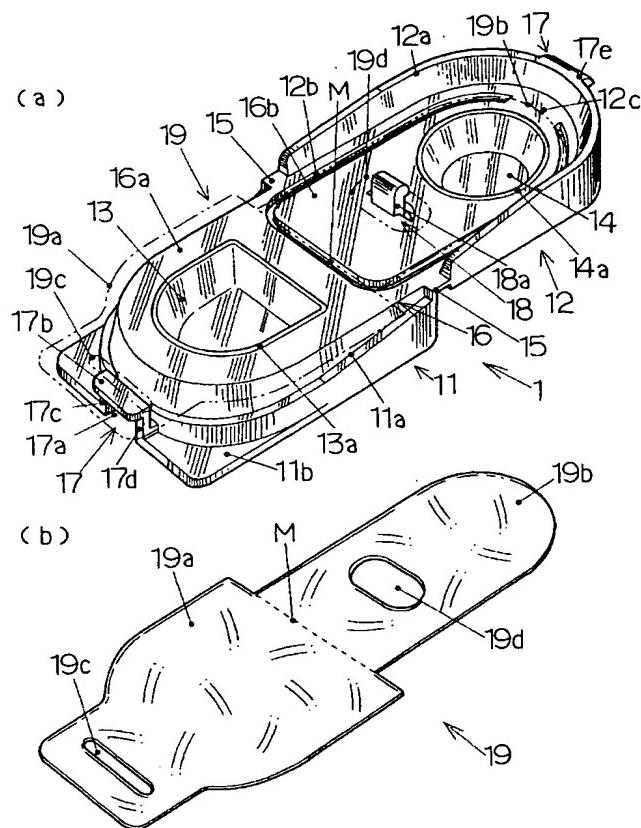
- 27 c 鋏状爪
 27 d 鋏状爪
 27 e 孔
 28 係止部
 28 a 壁状凸部
 28 b 鋏状爪
 28 c 鋏状爪
 28 d 鋏状爪
 29 パッキン
 29 a 保存槽パッキン
 29 b 洗浄槽パッキン
 29 c 孔
 29 d 孔
 3 収納保存容器
 31 本体
 32 蓋体
 32 a 蓋体片縁部
 32 b 溝部
 32 c 橋梁部
 33 保存槽
 34 洗浄槽
 34 a フランジ
 35 蝶番部
 36 平面部
 36 a 本体平面部
 36 b 蓋体平面部
 37 嵌合部
 37 a 円柱状凸部
 37 b 円柱状凸部
 37 c 円柱状凸部
 37 d 孔
 37 e 孔
 37 f 孔
 38 係止部
 38 a 円柱状凸部
 38 b 孔
 39 パッキン
 39 a 保存槽パッキン
 39 b 洗浄槽パッキン
 39 c 孔
 39 d 孔

- 4 収納保存容器
 41 本体
 42 蓋体
 43 洗浄保存槽
 44 円盤状凸部
 45 蝶番部
 46 平面部
 47 嵌合部
 48 係止部
 10 49 パッキン
 5 収納保存容器
 51 本体
 52 蓋体
 53 洗浄保存槽
 54 円盤状凸部
 55 本体平面部
 56 蓋体平面部
 57 嵌合部
 58 係止部
 20 59 パッキン
 6 収納保存容器
 61 本体
 62 蓋体
 63 シール付保存槽
 7 収納保存容器
 71 本体
 72 蓋体
 73 シール付き洗浄保存槽
 8 収納保存容器
 30 81 本体
 82 蓋体
 83 シール付保存槽
 C コンタクトレンズ
 E 円柱状凸部
 H 薄肉用凹部
 K 開封孔
 M ミシン目
 P 粘着剤
 S 開封用シール
 40 T 端部
 U 薄肉部

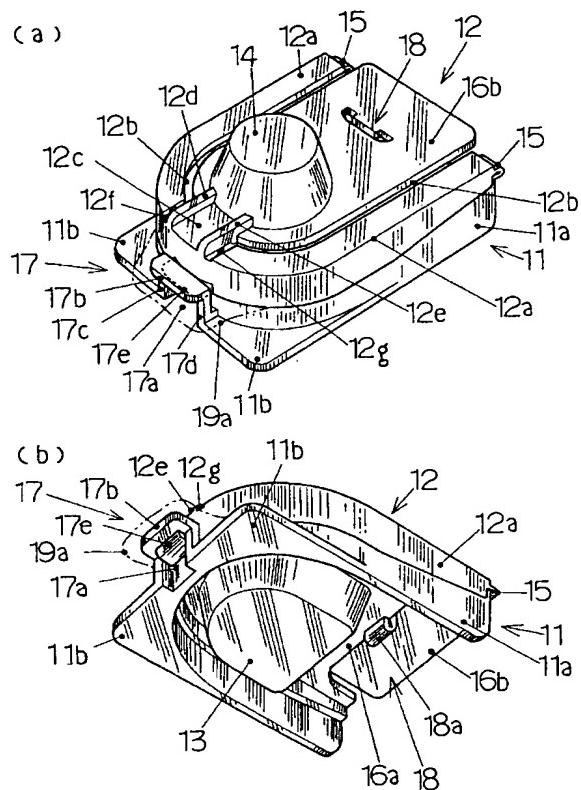
【図17】



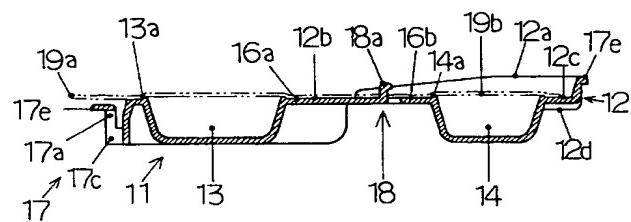
【図1】



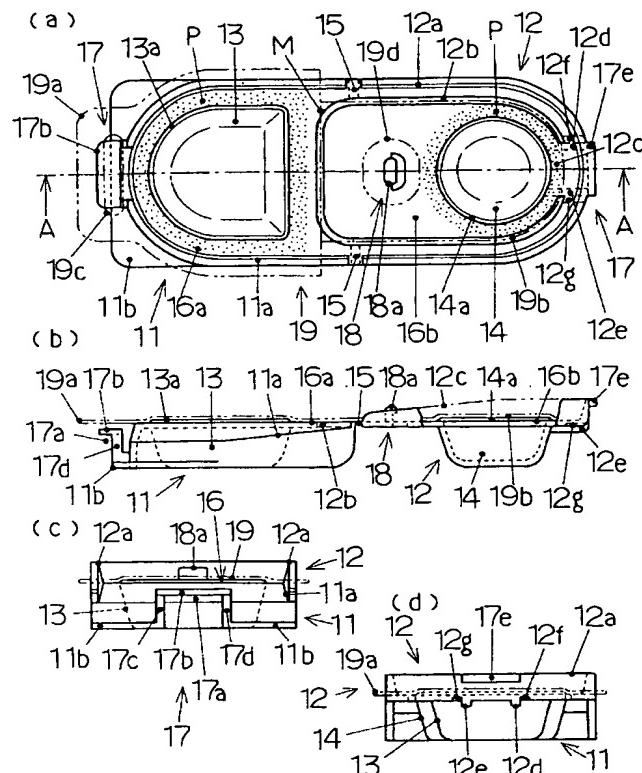
【図2】



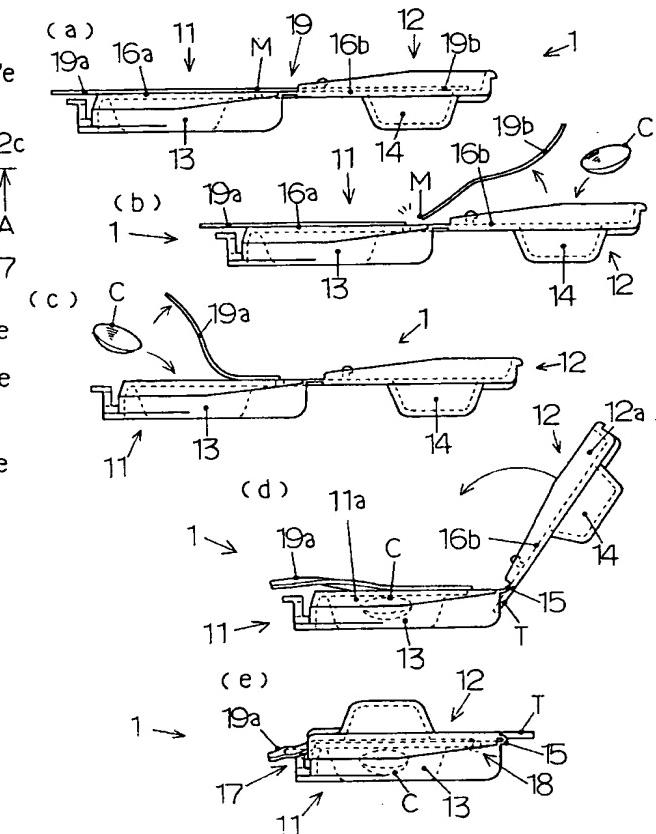
【図4】



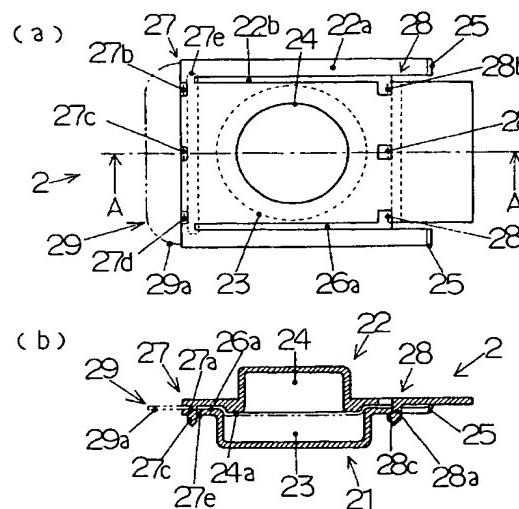
【図3】



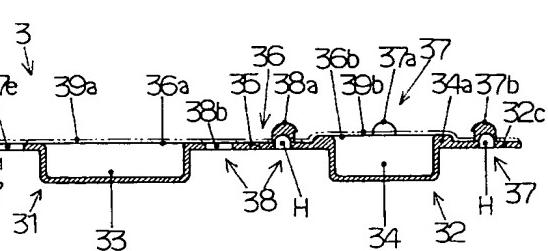
【図6】



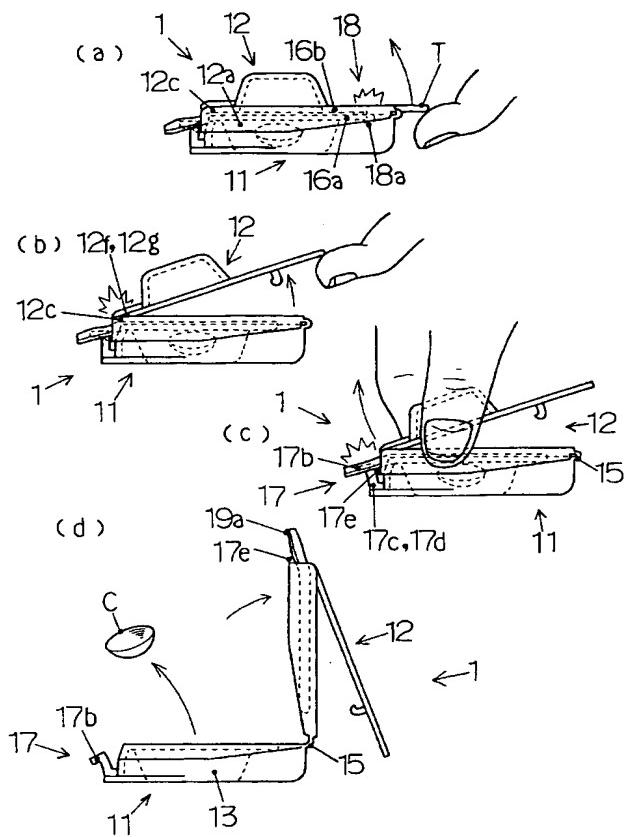
【図10】



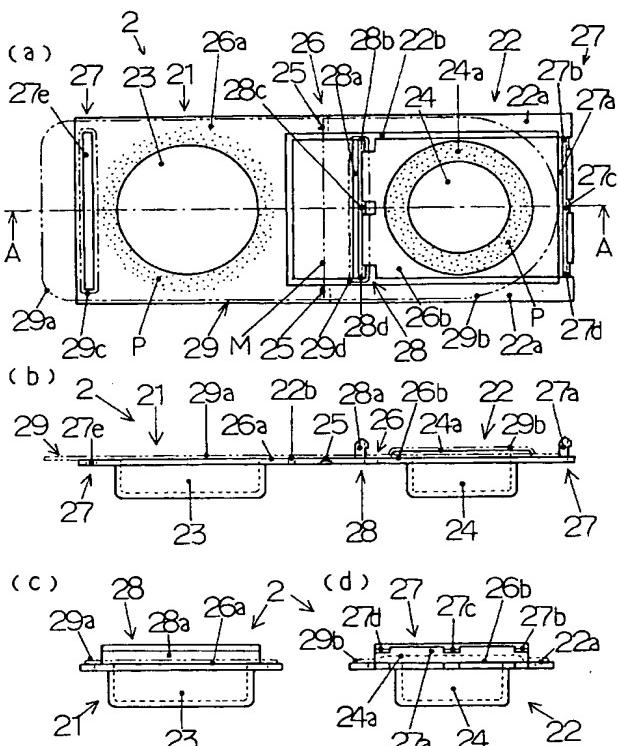
【図15】



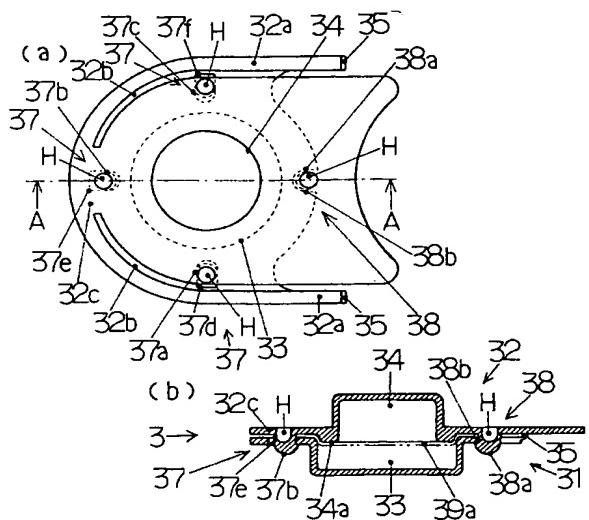
【図7】



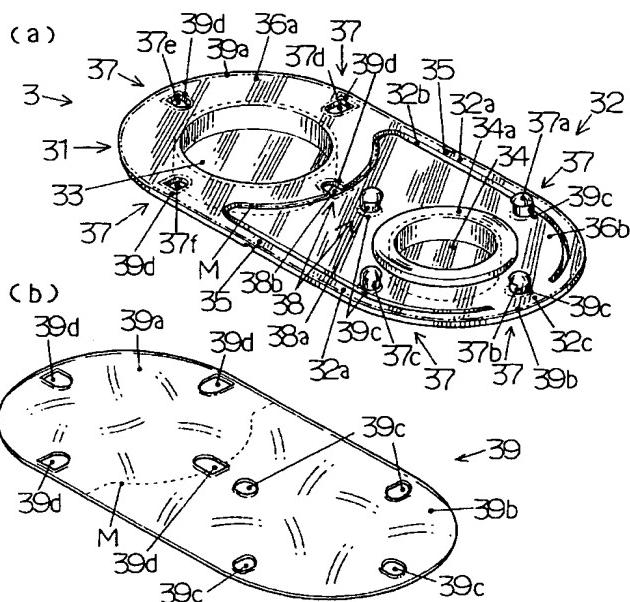
【図8】



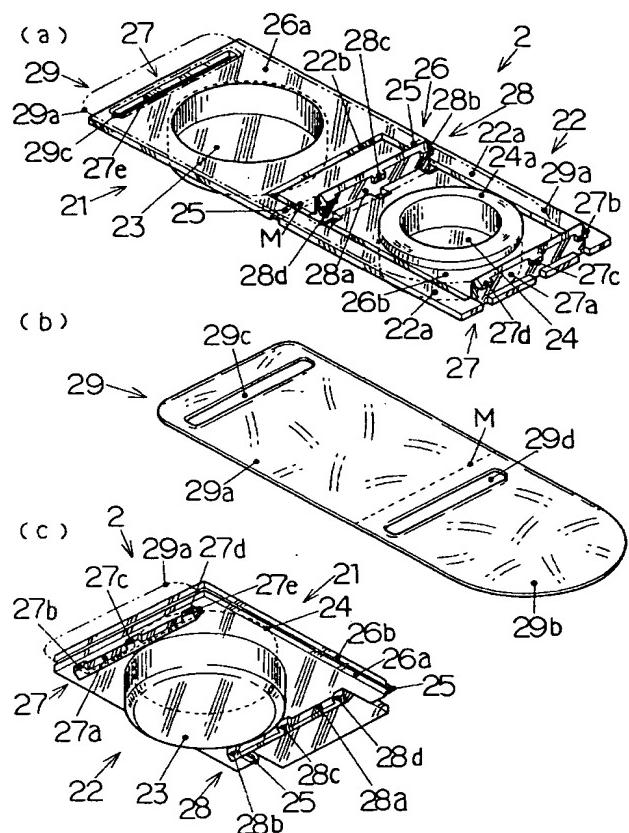
【图16】



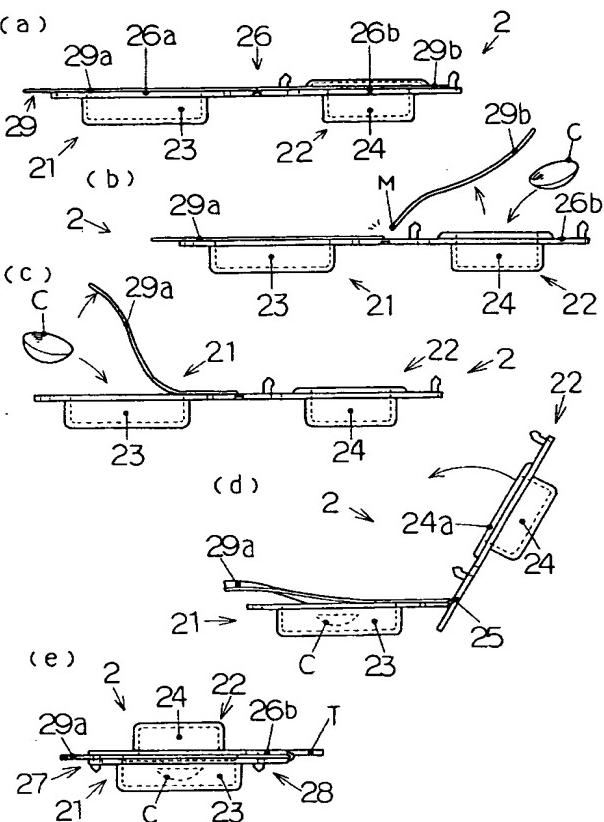
【图 18】



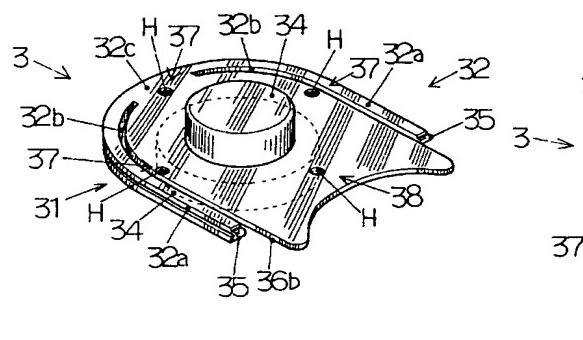
【図11】



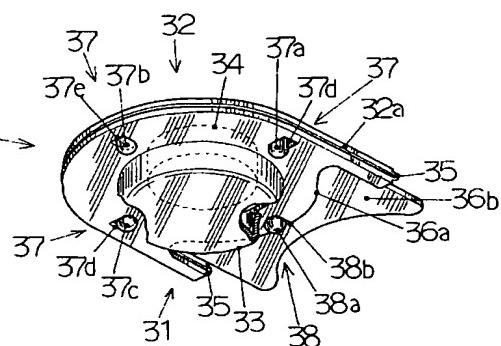
【図12】



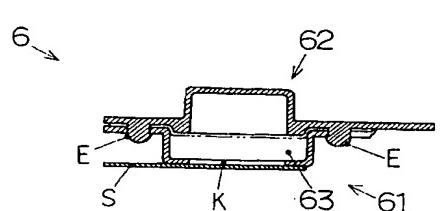
【図19】



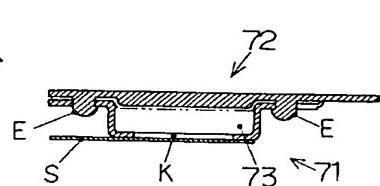
【図20】



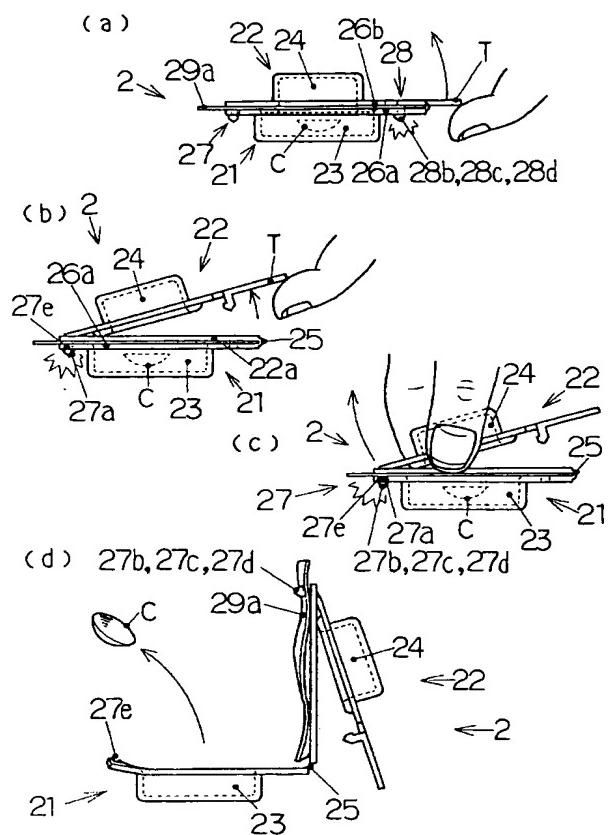
【図28】



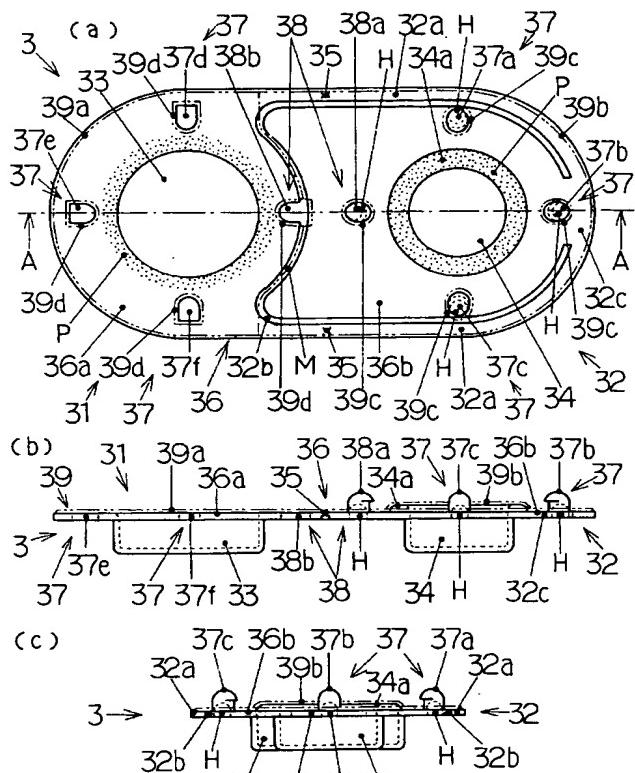
【図29】



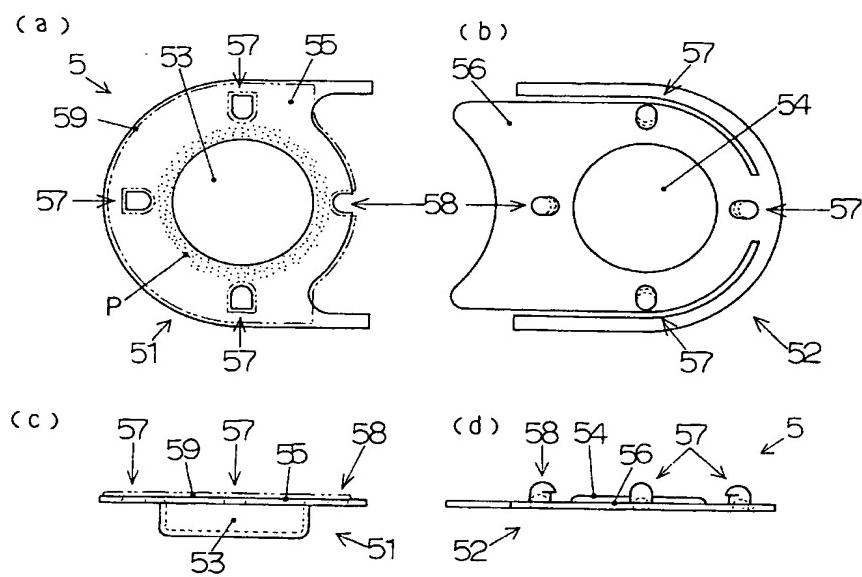
【图 1-3】



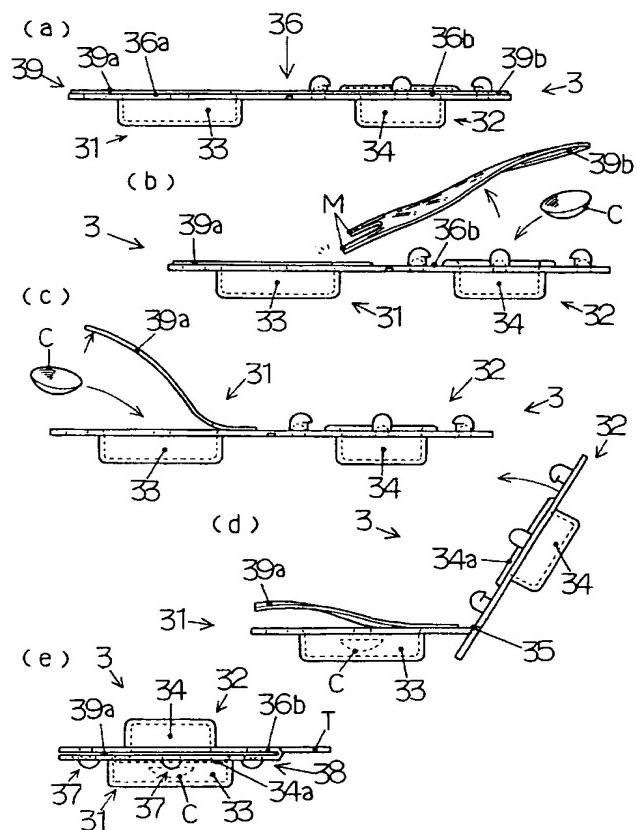
【図14】



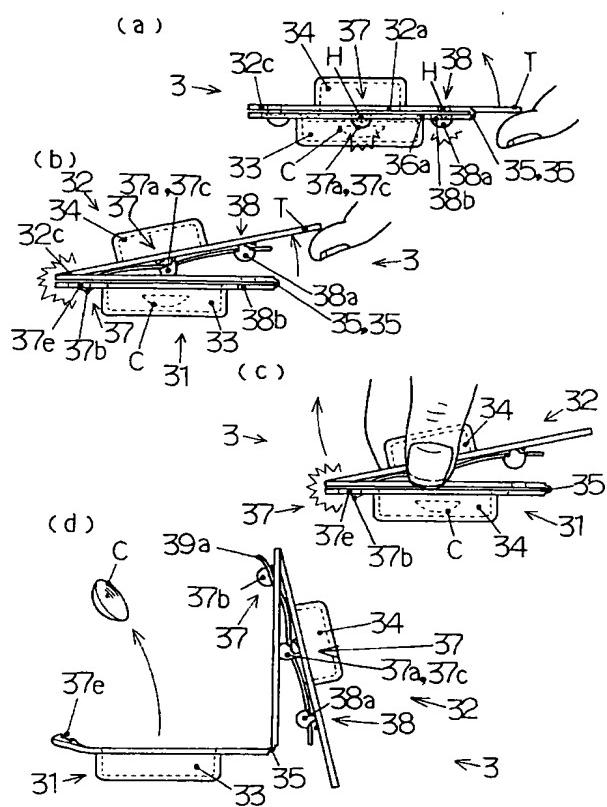
【図24】



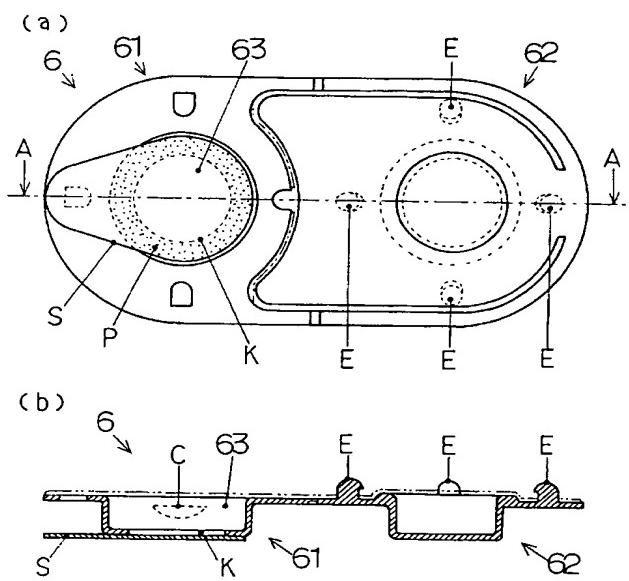
【図21】



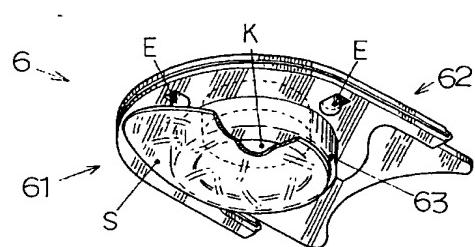
【図22】



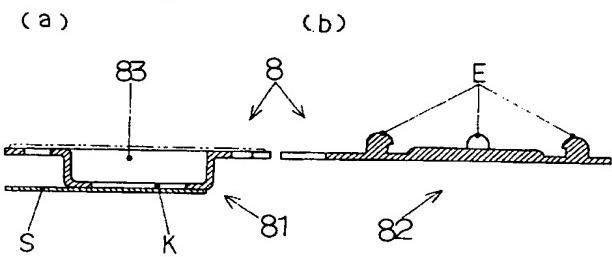
【図26】



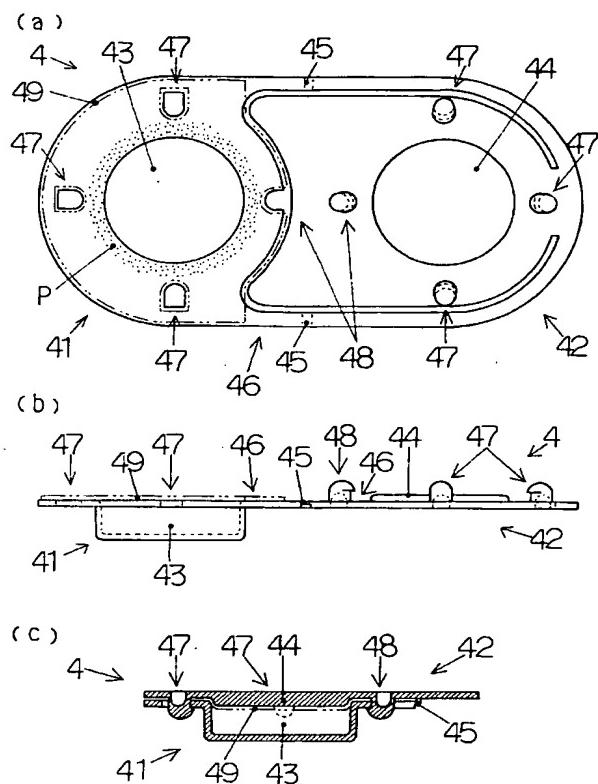
【図30】



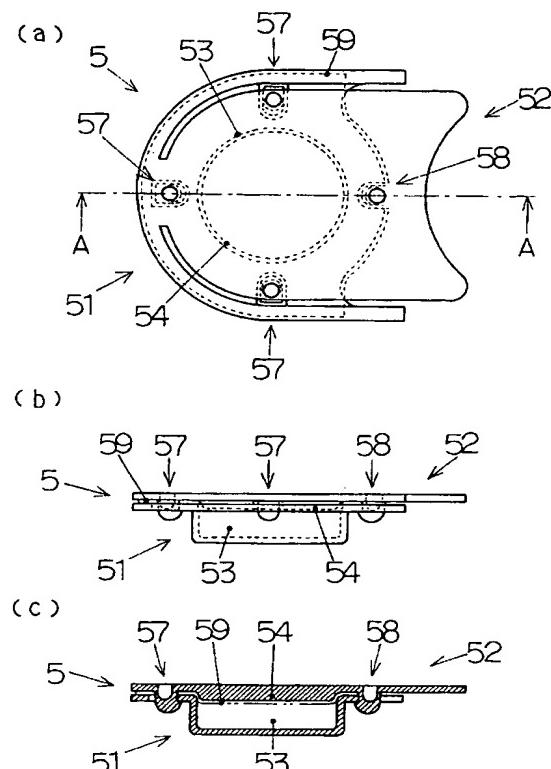
【図31】



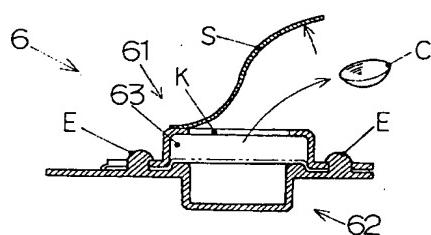
【図23】



【図25】



【図32】



フロントページの続き

(51) Int. Cl. 7
G 02 C 13/00

識別記号

F I
B 65 D 85/38テ-マコ-ト (参考)
B

F ターム(参考) 2H006 DA08
3E067 AA03 AA13 AC01 BA02A
BB15A BB16A EA32 EC08
FA01 FC01 GA23
3E084 AA06 BA01 FA01 FC04 GB12
HD01 KA17 LA01
3E096 AA01 BA30 DA23 DB07 DC01
EA02X EA02Y FA40 GA14

English Translation of JP Publication No.: 2002-306227 (Application No.: 2001-119137)

TECHNICAL FIELD

[Field of the Invention] A configuration whose reuse of this receipt preservation container a part of configuration of this receipt preservation container is destroyed, and becomes impossible is related in the disposable receipt preservation container for contact lenses of this invention to the disposable receipt preservation container for contact lenses have by once picking out this contact lens from this receipt preservation container on the occasion of the reuse of the contact lens which carried out seal preservation in this receipt preservation container.

PRIOR ART

[Description of the Prior Art] Conventionally, various existence was recognized, the container itself was not throwing away, and receipt preservation of a contact lens was possible for the container which carries out receipt preservation of the contact lens repeatedly (Japanese Patent Application No. 6-523579, the contact lens container, and operation as one example).

[0003] Moreover, when the container itself is throwing away, the contact lens surely contained in it is also throwing away only for 1 time, and the present condition is that the container of throwing away of a limitation is sold once by the set with the contact lens of throwing away of a limitation.

EFFECT OF THE INVENTION

[Effect of the Invention] Since the disposable receipt preservation container for contact lenses of this invention has taken a configuration from which the part of either of the configurations of a receipt preservation container wears irreversible damage over, and the reuse of a receipt preservation container of it becomes impossible as the result by using it once, the reuse of a receipt preservation container becomes impossible physically, and a wearing person does not obtain a disposable fake colander.

[0124] As the result, receipt preservation will be carried out, a biotechnology film must have been formed in a receipt preservation container new each time always, and the contact lens is very sanitary. moreover, since it is not necessary to fill the preservation tub of a receipt preservation container with preservation liquid from a bottle (or a washing preservation tub -- washing preservation liquid) like before, time and effort is not taken, but there is also no fear of spilling preservation liquid or washing preservation liquid.

[0125] In short, by offering the receipt preservation container of a configuration of not obtaining a disposable fake colander by the limitation once, this invention is completely pure to a wearing person in respect of health, and provides him with the preservation means of a very convenient contact lens also in respect of user-friendliness.

TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] When that to which the container of throwing away of a limitation is sold once by the set with the contact lens of throwing away of a limitation is purchased and both contact lens of throwing away only for [above-mentioned] 1 time and container of throwing away only for [above-mentioned] 1 time are used as throwing away, the problem did not generate at all, but when the contact lens in which a reuse is possible is repeated in the preservation container in which a reuse is possible and receipt preservation is carried out, it was not able to avoid that various kinds of problems occur.

[0005] The greatest thing is a problem in a health side among many of the problems. In being the contact lens in which a reuse is possible, in order to protect an eyeball from bacterial infection etc. to a wearing person, it is a well-known fact that being cared for a contact lens every day is called for.

[0006] As the approach of a care, after usually removing a contact lens, a contact lens is washed by the penetrant remover, a contact lens is immersed into the preservation container containing preservation liquid, and the method of sealing and saving a container is taken. Or the washing preservation liquid which has both the functions of washing and preservation may wash a contact lens, a contact lens may be immersed into the preservation container containing this washing preservation liquid, and the approach of sealing and saving a container may be taken.

[0007] which approach -- an imitation -- a wearing person's interest is turned to washing preservation of the body of a contact lens, and the inclination for every wearing person to perform this comparatively eagerly about washing preservation of the body of a contact lens is accepted. However, as for the present condition, there are very few wearing persons that it is comparatively indifferent about the sanitary conditions in the direction of the container which carries out receipt preservation of the body of a contact lens, and even a container washes every day.

[0008] However, the opportunity for the importance of a care of a contact lens preservation container to also be explained is increasing like the care of the body of a contact lens, and the importance of a care of a contact lens preservation container is beginning to be briskly advertized to a wearing person from a medical side or the manufacturer side of a contact lens in recent years.

[0009] Since it always fills up with the existing antibacterial preservation liquid or washing preservation liquid in the contact lens preservation container to be sure, if it glances, even if it will use it repeatedly, without thinking that cleanliness is maintained and being cared especially, it can also be called ***** from unreasonableness that many of wearing people think that it is OK.

[0010] However, the problem of a biotechnology film comes to be pointed out in recent years, and the care in respect of the health of the container itself has come to be regarded as questionable anew.

[0011] Once the bacteria of a biotechnology film are the minds of the aggregate of the bacteria of the shape of a film which form by carrying out a ** collection and this biotechnology film is formed, the role of armor will be played, and the bacteria inside a biotechnology film will be protected from an antimicrobial agent, consequently it will become difficult [sterilization and disinfection] very much [this biotechnology film].

[0012] Although such a biotechnology film was regarded as questionable from before by the blinding phenomenon of a filter pump etc. in the industrial world, it has come to be considered as the cause of the phenomenon in which it does not disinfect in recent years even if the medical world also came to be made into subject and the antibacterial drug has reached the effective dose about the problem of a chronic

durability infectious disease.

[0013] However this biotechnology film may be formed in a contact lens preservation container also in the contact lens industry and it may be cared for the lens itself, it has turned out that bacteria survive in the biotechnology film formed in the preservation container, these bacteria adhere to a contact lens, it goes into an eyeball further, and the case which causes an infectious disease exists not a little.

[0014] It is cared like [a contact lens preservation container] a contact lens from a medical side or a contact lens manufacturer side for the reason for the above every day (washing), and appeal that it is important that a biotechnology film is made not to be formed should have began to do.

[0015] However, the fixed idea that naturally the interior of a preservation container where it filled up with antibacterial preservation liquid or washing preservation liquid as mentioned above is pure is strong to a wearing person side, and the present condition is that there are almost no those by whom it is cared for a preservation container by the care of the body of a contact lens as a line every day.

[0016] Therefore, even if not cared, the present condition is that development of a preservation means of a contact lens by which a contact lens can be saved at clarification is desired, at the same time it continues appeal of a care of a preservation container.

[0017] Moreover, there was inconvenient [that the preservation container for contact lenses must be emptied as another trouble of the conventional preservation container for contact lenses in which a reuse is possible whenever it contains a contact lens every day and preservation liquid or washing preservation liquid had to be replaced].

[0018] And since it was the system filled up with the preservation liquid or washing preservation liquid in the condition of having been put in by the bottle on that occasion, in the preservation container for contact lenses, there were also quite a few troubles of spilling preservation liquid or washing preservation liquid accidentally during restoration, and they were uneconomical.

[0019] Therefore, it is also the present condition that development of the preservation means which can cancel the above-mentioned fault is called for.

MEANS

[Means for Solving the Problem] This invention is made in order to solve the above-mentioned technical problem, and it offers the following solution means.

It is a receipt preservation container for the <solution means 1> contact lenses, and seal preservation of the contact lens after use is possible, irreversible damage wears in a part of configuration of the above-mentioned receipt preservation container, and the disposable receipt preservation container for contact lenses carry out having a configuration so that it may become that the reuse of the above-mentioned receipt preservation container is impossible as the description provides by opening the configuration of the above-mentioned seal state of preservation on the occasion of the reuse of the above-mentioned contact lens.

Are a receipt preservation container for the <solution means 2> contact lenses, and it has a cleaning tank and a preservation tub. The above-mentioned preservation tub will be sealed by the sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. A part or all of the above-mentioned sealing means wears irreversible damage by opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens. The solution means 1 characterized by being

constituted so that the reuse of the above-mentioned receipt preservation container may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

Are a receipt preservation container for the <solution means 3> contact lenses, and it has a washing preservation tub. The above-mentioned washing preservation tub will be sealed by the sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. A part or all of the above-mentioned sealing means wears irreversible damage by opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens. The solution means 1 characterized by being constituted so that the reuse of the above-mentioned receipt preservation container may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 4> It consists of a body which has the preservation tub with which preservation liquid was enclosed beforehand, and a lid which has the cleaning tank with which the penetrant remover was enclosed beforehand. The above-mentioned sealing means consists of the fitting sections and the stop sections to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing. The above-mentioned preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 2 characterized by being constituted so that the above-mentioned fitting section may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible at least among the above-mentioned fitting section and the above-mentioned stop section is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 5> It consists of the bodies and lids which have the washing preservation tub with which washing preservation liquid was enclosed beforehand. The above-mentioned sealing means consists of the fitting sections and the stop sections to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing. The above-mentioned washing preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 3 characterized by being constituted so that the above-mentioned fitting section may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible at least among the above-mentioned fitting section and the above-mentioned stop section is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 6> It consists of a body which has the preservation tub with which preservation liquid was enclosed beforehand, and a lid which has the cleaning tank with which the penetrant remover was enclosed beforehand. It consists of seals for opening with which the above-mentioned sealing means was put on the opening hole of the fitting section to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing, the stop section, and the above-mentioned preservation tub. The above-mentioned preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation

of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned seal for opening among the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 2 characterized by being constituted so that the above-mentioned seal for opening may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 7> It consists of the bodies and lids which have the washing preservation tub with which washing preservation liquid was enclosed beforehand. It consists of seals for opening with which the above-mentioned sealing means was put on the opening hole of the fitting section to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing, the stop section, and the above-mentioned washing preservation tub. The above-mentioned washing preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned seal for opening among the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 3 characterized by being constituted so that the above-mentioned seal for opening may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

[0021] In the disposable receipt preservation container for contact lenses of this invention, when carrying out the reuse of this contact lens once making a contact lens into a seal state of preservation, the greatest description is by opening the configuration of the above-mentioned seal state of preservation to the point taken in a configuration from which the part of either of the configurations of a receipt preservation container wears irreversible damage over, and the reuse of a receipt preservation container of it becomes impossible as the result.

[0022] That is, in invention of the solution means 4 and the solution means 5, although the fitting section and the stop section to which fitting of a body and the lid is carried out through sheet-like packing as a sealing means are used, the above-mentioned fitting section is destroyed at least in the case of opening (irreversible damage), and the reuse of a receipt preservation container becomes impossible.

[0023] Moreover, although the seal for opening put on the opening hole which was drilled in the preservation tub or the washing preservation tub in invention of the solution means 6 and the solution means 7 in addition to the fitting section and the stop section to which fitting of a body and the lid is carried out through sheet-like packing as a sealing means is used By exfoliating the above-mentioned seal for opening in the case of opening, jointing of the above-mentioned seal for opening wears irreversible damage, and the reuse of a receipt preservation container of it becomes impossible.

[0024] Thus, since a configuration from which the part of either of the configurations of a receipt preservation container wears irreversible damage over, and the reuse of a receipt preservation container of it becomes impossible as the result by using it once is taken, the reuse of a receipt preservation container becomes impossible physically, and a wearing person does not get a disposable fake colander.

[0025] As the result, receipt preservation will be carried out, a biotechnology film must have been formed in a container new each time always, and the contact lens is

very sanitary. moreover, since it is not necessary to fill the preservation tub of a receipt preservation container with preservation liquid from a bottle (or a washing preservation tub -- washing preservation liquid) like before, time and effort is not taken, but there is also no fear of spilling preservation liquid or washing preservation liquid.

[0026] In short, by offering the receipt preservation container of a configuration of not obtaining a disposable fake colander by the limitation once, this invention is completely pure to a wearing person in respect of health, and provides him with the preservation means of a very convenient contact lens also in respect of user-friendliness.

[0027]

[Embodiment of the Invention] This invention is explained to a detail, referring to a drawing.

The 1st example of <1st example> this invention is one example of invention indicated by claim 4. In the intact condition, the receipt preservation container 1 of this example consists of hinge regions 15 which connect the body 11 with which the preservation tub 13 was formed, the lid 12 with which the cleaning tank 14 was formed, a body 11, and a lid 12, as shown in drawing 1 a, drawing 1 b, drawing 3 a - drawing 3 d, and drawing 4.

[0028] In the intact condition, as for the receipt preservation container 1 of this example, the preservation tub 13 and the cleaning tank 14 are sealed with the sheet-like packing 19 (refer to drawing 1 R>1b). That is, as shown in drawing 3 a, packing 19 is pasted up on the periphery of the preservation tub 13, and the periphery of a cleaning tank 14 with Adhesives P (a sketch part expresses Adhesives P). In addition, preservation liquid (not shown) is carried out at the preservation tub 13, and seal restoration of the penetrant remover (not shown) is carried out in the cleaning tank 14.

[0029] As for packing 19, preservation tub packing 19a put and cleaning tank packing 19b put on a cleaning tank are connected [b / drawing 1 b, drawing 5 a, and / drawing 5 / tub / preservation] as one so that it may see.

[0030] It is put into perforation M by the boundary line of preservation tub packing 19a and cleaning tank packing 19b, and it is constituted so that preservation tub packing 19a and cleaning tank packing 19b can be separated easily. moreover -- the left of preservation tub packing 19a -- hole 19c -- Chuo of cleaning tank packing 19b - - 19d of holes is drilled a little in the left, respectively.

[0031] The whole is a product made of synthetic resin, and the body 11, the lid 12, and the hinge region 15 are cast for the receipt preservation container 1 of this example as one. Although a body 11 and a lid 12 consist of thickness of abbreviation identitas, they are thin as compared with a body 11 and a lid 12 so that it may see to drawing 1 a, and have composition which hinges a body 11 and a lid 12 using the resiliency of synthetic resin. [of a hinge region 15]

[0032] As a raw material of the receipt preservation container 1, synthetic resin, such as polyethylene, polypropylene, and polyethylene terephthalate, can be used.

Moreover, synthetic resin, such as polyethylene, can be used as a raw material of the sheet-like packing 19.

[0033] The flat-surface section 16 which continues by the hinge region 15 is formed in the body 11 and the lid 12, and the flat-surface section 16 consists of flat-surface section of body 16a, and lid flat-surface section 16b. The preservation tub 13 is surrounded by flange 13a which has slight climax in flat-surface section of body 16a, the flat-surface configuration is formed in the shape of [reverse D character-like] a bowl, a cleaning tank 14 is surrounded by flange 14a which has slight climax in lid

flat-surface section 16b, and the flat-surface configuration is formed in the shape of [of a circle configuration] a bowl.

[0034] Piece edge of body 11a and piece edge of lid 12a which continue by the hinge region 15 are prepared in the periphery of a body 11 and a lid 12. Piece edge of body 11a is lower than flat-surface section of body 16a, and piece edge of lid 12a is higher than lid flat-surface section 16b. It is constituted so that piece edge of body 11a and piece edge of lid 12a may fasten preservation tub packing 19a of packing 19 and may fit in, where fitting of a body 11 and the lid 12 is carried out (refer to drawing 2 a and drawing 2 b) (like the after-mentioned, cleaning tank packing 19b is abandoned in this condition).

[0035] Moreover, the fitting section 17 is formed in the left end of a body 11, and the right end of a lid 12 (refer to drawing 1 a). Opening 17a constituted by the lower part of piece of stop 17b laid across one by the columns 17c and 17d which stand straight from stabilizer 11b prepared in the left end lower part of a body 11, and piece of stop 17b is prepared in the left end of a body 11.

[0036] Furthermore, protruding piece 17e is prepared in the right end of piece edge of lid 12a of a lid 12, and it is constituted so that protruding piece 17e may fit into opening 17a where fitting of a body 11 and the lid 12 is carried out (drawing 2 a, drawing 2 b), protruding piece 17e may be stopped by piece of stop 17b and the fitting condition of a body 11 and a lid 12 can be held.

[0037] Band-like slot 12b is drilled in the right end of flat-surface section of body 16a, and the perimeter of lid flat-surface section 16b so that lid flat-surface section 16b may be surrounded. Slot 12b is discontinuity in the right end part of a lid 12, and lid flat-surface section 16b of the center of a lid 12 sets this discontinuous part to bridge section 12c, and is connected [a / piece edge of lid 12] by one.

[0038] As shown in the base of bridge section 12c at drawing 2 a (condition to which fitting of a body 11 and the lid 12 was carried out), drawing 3 a, and drawing 3 d, rib 12e protrudes on the front end section of bridge section 12c, rib 12d protrudes on the back end section, the front part of rib 12e serves as 12g of thin-walled parts of a ditch type, and the rib 12d back part serves as 12f of thin-walled parts of a ditch type.

[0039] The stop section 18 is formed in the left of the cleaning tank 14 of lid flat-surface section 16b. The stop section 18 consists of hook type heights 18a, where fitting of a body 11 and the lid 12 is carried out (refer to drawing 2 R>2a and drawing 2 b), the hook-like point of heights 18a is stopped by the base of flat-surface section of body 16a, and it is constituted so that the fitting condition of a body 11 and a lid 12 can be held. Therefore, the fitting condition of a body 11 and a lid 12 is constituted so that it may be held by two places, said fitting section 17 and the above-mentioned stop section 18.

[0040] Drawing 6 a - drawing 7 d explains an operation of the receipt preservation container 1 of this example. Since drawing 6 a - drawing 7 d is an explanatory view, details (flanges 13a and 14a seen to drawing 1 a) have been omitted.

[0041] Drawing 6 a shows the intact condition of the receipt preservation container 1 of this example. this condition -- by non-fitting, preservation tub packing 19a pastes flat-surface section of body 16a, cleaning tank packing 19b pastes [a body 11 and a lid 12] lid flat-surface section 16b, restoration seal of the preservation liquid (not shown) is carried out at the preservation tub 13, and penetrant remover (not shown) restoration seal is carried out in the cleaning tank 14. In addition, preservation tub packing 19a and cleaning tank packing 19b are not separated by perforation M, but form the sheet-like packing 19.

[0042] After the wearing person of a contact lens C removes a contact lens C, first, he

exfoliates from lid flat-surface section 16b, and separates and abandons cleaning tank packing 19b from perforation M, so that it may see to drawing 6 b. Since a cleaning tank 14 is opened now, a contact lens C is washed in the penetrant remover (not shown) of a cleaning tank 14. A penetrant remover (not shown) is abandoned after washing. Under the present circumstances, since the preservation tub 13 is still in a seal condition, restoration seal of the preservation liquid in the preservation tub 13 (not shown) is carried out.

[0043] Next, preservation tub packing 19a is made to exfoliate about 2/3 so that it may see to drawing 6 c, and the washed contact lens C is thrown in in the preservation liquid in the preservation tub 13 (not shown). Furthermore, a lid 12 is counterclockwise rotated focusing on a hinge region 15 like drawing 6 d, and fitting of a body 11 and the lid 12 is carried out like drawing 6 e. At this time, it rotates counterclockwise and the edge T of lid flat-surface section 16b projects at the right end of the receipt preservation container 1 whole.

[0044] Under the present circumstances, since ** arrival of the preservation tub packing 19a is carried out between piece edge of body 11a, and piece edge of lid 12a although about [that] 2/3 has lost adhesive strength and the circumference part of preservation tub packing 19a seals the preservation tub 13 so that it may see to drawing 6 d, leakage of the preservation liquid in the preservation tub 13 (not shown) is prevented certainly.

[0045] Moreover, the fitting condition of a body 11 and a lid 12 is certainly held according to a fitting operation of the above-mentioned fitting section 17, and a stop operation (refer to drawing 2 b) of the stop section 18. Thereby, a contact lens C is stably held in the preservation liquid (not shown) of the preservation tub 13.

[0046] Next, in case a contact lens C is reused, a finger is hung on the edge T in the condition of having projected at the right end of the receipt preservation container 1 as shown in drawing 7 a, and it pulls up up strongly. It is canceled of the condition (refer to drawing 2 b) that heights 18a of the stop section 18 was first stopped at the right end of [base] flat-surface section of body 16a, by this, and lid flat-surface section 16b starts counterclockwise rotation for bridge section 12c (refer to drawing 2 a) of a lid 12 as the supporting point.

[0047] Under the present circumstances, piece edge of lid 12a which is separated by slot 12b and hinged on flat-surface section of body 16a (refer to drawing 1) by hinge regions 15 and 15 so that it may see to drawing 2 a is in a quiescent state.

Consequently, dynamic stress out of balance is concentrated on the thin-walled parts 12f and 12g (refer to weakest part and drawing 2 a) before and behind bridge section 12c, and this part is fractured (drawing 7 b). That is, the configuration of bridge section 12c wears irreversible damage.

[0048] Next, as shown in drawing 7 c, the part of the left approach of a lid 12 is gathered with a finger, and this part is pulled up strongly. Thereby, protruding piece 17e of the fitting section 17 (refer to drawing 2 b) will be pulled out more compulsorily than opening 17a, stress joins piece of stop 17b, and the configuration of the fitting section 17 including Columns 17c and 17d wears irreversible damage.

[0049] Thereby, the fitting condition of a body 11 and a lid 12 is canceled completely, and a lid 12 rotates clockwise focusing on a hinge region 15, and will be in the condition which shows in drawing 7 d. Under the present circumstances, since it rotates while protruding piece 17e had placed preservation tub packing 19a, preservation tub packing 19a also rotates clockwise with a lid 12, the preservation tub 13 will be in an opening condition, and extraction of it will be attained from the preservation tub 13 in a contact lens C. The receipt preservation container 1 which

became reuse impossible from the preservation tub 13 after extraction about the contact lens C is abandoned.

[0050] The 2nd example of <2nd example> this invention is one example of invention indicated by claim 4. The receipt preservation container 2 of this example consists of hinge regions 25 which connect the body 21 with which the preservation tub 23 was formed, the lid 22 with which the cleaning tank 24 was formed, a body 21, and a lid 22, as shown in drawing 8 a - drawing 8 d, drawing 9, and drawing 11 a and drawing 11 b.

[0051] In the intact condition, as for the receipt preservation container 2 of this example, the preservation tub 23 and the cleaning tank 24 are sealed with the sheet-like packing 29 (refer to drawing 11 b). That is, as shown in drawing 8 a, packing 29 is pasted up on the circumference part of the preservation tub 23, and the circumference part of a cleaning tank 24 with Adhesives P (a sketch part expresses Adhesives P). In addition, preservation liquid (not shown) is carried out at the preservation tub 23, and seal restoration of the penetrant remover (not shown) is carried out in the cleaning tank 24.

[0052] As for packing 29, preservation tub packing 29a put and cleaning tank packing 29b put on a cleaning tank 24 are connected [b / drawing 11 / tub / 23 / preservation] as one so that it may see. It is put into perforation M by the boundary line of preservation tub packing 29a and cleaning tank packing 29b, and it is constituted so that preservation tub packing 29a and cleaning tank packing 29b can be separated easily. Moreover, hole 29c of an abbreviation rectangle is drilled near the left end of preservation tub packing 29a, and 29d of holes of an abbreviation rectangle is drilled near the left end of cleaning tank packing 29b, respectively.

[0053] The whole is a product made of synthetic resin, and the body 21, the lid 22, and the hinge region 25 are cast for the receipt preservation container 2 of this example as one. Although a body 21 and a lid 22 consist of thickness of abbreviation identitas, they are thin as compared with a body 21 and a lid 22 so that it may see to drawing 8 b and drawing 11 a, and have composition which hinges a body 21 and a lid 22 using the resiliency of synthetic resin. [of a hinge region 25]

[0054] As a raw material of the receipt preservation container 2, synthetic resin, such as polyethylene, polypropylene, and polyethylene terephthalate, can be used. Moreover, synthetic resin, such as polyethylene, can be used as a raw material of the sheet-like packing 29.

[0055] The body 21 and the lid 22 are making the flat-surface section 26 which continues by the hinge region 25, and the flat-surface section 26 consists of flat-surface section of body 26a, and lid flat-surface section 26b. The flat-surface configuration is formed in flat-surface section of body 26a in the shape of [of a circle configuration] a bowl, a cleaning tank 24 is surrounded by lid flat-surface section 26b at flange 24a of the shape of a bank of a circular ring, and, as for the preservation tub 23, the flat-surface configuration is formed in the shape of [of a circle configuration] a bowl.

[0056] It is constituted so that flange 24a may fit into the upper part of the preservation tub 23 through preservation tub packing 29a in the condition (drawing 10 a, drawing 10 b, drawing 11 c) of having rotated the lid 21 by the hinge region 25, and having made close flat-surface section of body 26a of a body 21, and lid flat-surface section 26b of a lid 22, and it is (in this condition, cleaning tank packing 29b is abandoned like the after-mentioned).

[0057] If it applies to the front end part and back end part of a lid 22 from the right end part of a body 21 so that it may see to drawing 8 a, straight-line-like slot 22b is

drilled, and as for lid flat-surface section 26b and a cleaning tank 24, the flat-surface configuration is surrounded by this reverse KO character-like slot 22b. Therefore, the front end and the back end of lid flat-surface section 26b are divided by this slot 22b, and form piece edge of lid 22a of the shape of a long and slender rectangle.

[0058] The fitting section 27 is formed in the left end of a body 21, and the right end of a lid 22. The fitting section 27 at the left end of a body 21 is hole 27e of the shape of a long and slender rectangle, and the head cross section where the fitting section 27 at the right end of a lid 22 has ***** 27b, 27c, and 27d has become triangle-like wall-like heights 27a.

[0059] the condition (drawing 10 a --) to which the fitting section 27 made close flat-surface section of body 26a of a body 21, and lid flat-surface section 26b of a lid 22 Wall-like heights 27a fits into hole 27e by drawing 10 b and drawing 11 c. *****27b, 27c and 27d are stopped by the base of flat-surface section of body 26a, and it is constituted so that the condition that flange 24a of a cleaning tank 24 fitted into the upper part of the preservation tub 23 through preservation tub packing 29a can be held.

[0060] The stop section 28 is formed near the left end of lid flat-surface section 26b. The head cross section which has ***** 28b, 28c, and 28d is triangle-like wall-like heights 28a, and the stop section 28 is constituted so that ***** 28b, 28c, and 28d may be stopped by the base of flat-surface section of body 26a in the condition (drawing 10 a, drawing 10 b, drawing 11 c) of having made close flat-surface section of body 26a of a body 21, and lid flat-surface section 26b of a lid 22. Therefore, the fitting condition of a body 11 and a lid 12 is [0061] constituted so that it may be held by two places, said fitting section 17 and the above-mentioned stop section 18.

Restoration seal of the preservation liquid (not shown) is carried out at the preservation tub 23, and penetrant remover (not shown) restoration seal is carried out in the cleaning tank 24. In addition, in an intact condition, preservation tub packing 29a and cleaning tank packing 29b are not separated by perforation M, but form the sheet-like packing 29 (refer to drawing 11 a).

[0062] Drawing 12 a - drawing 13 d explains an operation of the receipt preservation container 2 of this example below. Since drawing 12 a - drawing 13 d is an explanatory view, the configuration of details has been omitted suitably.

[0063] Restoration seal of the preservation liquid (not shown) is carried out at nothing and the preservation tub 23 in a series of flat-surface sections 26 which flat-surface section of body 26a and lid flat-surface section 26b followed in the intact condition, penetrant remover (not shown) restoration seal of the receipt preservation container 2 of this example is carried out in a cleaning tank 24, and the seal condition is held with the sheet-like packing 29 so that it may see to drawing 12 a.

[0064] After the wearing person of a contact lens C removes a contact lens C, first, he exfoliates from lid flat-surface section 26b, and separates and abandons cleaning tank packing 29b from perforation M, so that it may see to drawing 12 b. Since a cleaning tank 24 is opened now, a contact lens C is washed in the penetrant remover (not shown) of a cleaning tank 24. A penetrant remover (not shown) is abandoned after washing. Under the present circumstances, since the preservation tub 23 is still in a seal condition, restoration seal of the preservation liquid in the preservation tub 23 (not shown) is carried out.

[0065] Next, preservation tub packing 29a is made to exfoliate about 2/3 so that it may see to drawing 12 c, and the washed contact lens C is thrown in in the preservation liquid in the preservation tub 23 (not shown). Furthermore, a lid 22 is counterclockwise rotated focusing on a hinge region 25 like drawing 12 d, and fitting of a body 21 and the lid 22 is carried out like drawing 12 e. At this time, it rotates

counterclockwise and the edge T of lid flat-surface section 26b projects at the right end of the receipt preservation container 2 whole.

[0066] Under the present circumstances, since ** arrival of the preservation tub packing 29a is carried out between flange 24a of a cleaning tank 24, and the upper part of the preservation tub 23 although about [that] 2/3 has lost adhesive strength and preservation tub packing 29a seals the preservation tub 23 so that it may see to drawing 12 d, leakage of the preservation liquid in the preservation tub 23 (not shown) is prevented certainly.

[0067] Moreover, the fitting condition of a body 21 and a lid 22 is certainly held according to a fitting operation of the above-mentioned fitting section 27, and a stop operation (refer to drawing 11 c) of the stop section 28. Thereby, a contact lens C is stably held in the preservation liquid (not shown) of the preservation tub 23.

[0068] Next, in case a contact lens C is reused, a finger is hung on the edge T in the condition of having projected at the right end of the receipt preservation container 2 as shown in drawing 13 a, and it pulls up strongly. Thereby, first, it is canceled of the condition (refer to drawing 11 c) that ***** 28b, 28c, and 28d of the stop section 28 were stopped at the right end of [base] flat-surface section of body 26a, and lid flat-surface section 26b starts counterclockwise rotation for the fitting section 27 as the supporting point.

[0069] Under the present circumstances, piece edge of lid 22a which is separated by slot 22b and hinged on flat-surface section of body 26a by hinge regions 25 and 25 so that it may see to drawing 8 a is in a quiescent state. Consequently, concentrate on the fitting section 27 (refer to drawing 13 b), and dynamic stress out of balance is made to transform hole 27e by the side of the body 21 of the fitting section 27, and is made to transform the wall-like heights 27a by the side of a lid 22 itself. That is, the configuration of the fitting section 27 wears irreversible damage.

[0070] Next, as shown in drawing 13 c, the part of the left approach of a lid 22 is gathered with a finger, and this part is pulled up strongly. Thereby, it will be pulled out more compulsorily than opening 27e, stress joins the fitting section 27 further, wall-like heights 27a of the fitting section 27 and ***** 27b, 27c, and 27d cause the further deformation of hole 27e and wall-like heights 27a, and the configuration of the fitting section 27 wears much more irreversible damage.

[0071] Thereby, the fitting condition of a body 21 and a lid 22 is canceled completely, and a lid 22 rotates clockwise focusing on a hinge region 25, and will be in the condition which shows in drawing 13 d. Under the present circumstances, since it rotates while ***** 27b, 27c, and 27d had hung preservation tub packing 29a, preservation tub packing 29a also rotates clockwise with a lid 22, the preservation tub 23 will be in an opening condition, and extraction of a contact lens C will be attained from the preservation tub 23. The receipt preservation container 2 which became reuse impossible from the preservation tub 23 after extraction about the contact lens C is abandoned.

[0072] The 3rd example of <3rd example> this invention is one example of invention indicated by claim 4. The receipt preservation container 3 of this example consists of hinge regions 35 which connect the body 31 with which the preservation tub 33 was formed, the lid 32 with which the cleaning tank 34 was formed, a body 31, and a lid 32, as shown in drawing 14 a - drawing 14 c, drawing 15, and drawing 18 a.

[0073] In the intact condition, as for the receipt preservation container 3 of this example, the preservation tub 33 and the cleaning tank 34 are sealed with the sheet-like packing 39 (refer to drawing 18 b). That is, as shown in drawing 14 a, packing 39 is pasted up on the circumference part of the preservation tub 33, and the

circumference part of a cleaning tank 34 with Adhesives P (a sketch part expresses Adhesives P). In addition, preservation liquid (not shown) is carried out at the preservation tub 33, and restoration seal of the penetrant remover (not shown) is carried out in the cleaning tank 34.

[0074] As for packing 39, preservation tub packing 39a put and cleaning tank packing 39b put on a cleaning tank 34 are connected [b / drawing 18 / tub / 33 / preservation] as one so that it may see. It is put into perforation M by the boundary line of preservation tub packing 39a and cleaning tank packing 39b, and it is constituted so that preservation tub packing 39a and cleaning tank packing 39b can be separated easily. Moreover, Holes 39d, 39d, 39d, and 39d are drilled in the periphery of preservation tub packing 39a, and Holes 39c, 39c, 39c, and 39c are drilled in the periphery of cleaning tank packing 39b, respectively.

[0075] The whole is a product made of synthetic resin, and the body 31, the lid 32, and the hinge region 35 are cast for the receipt preservation container 3 of this example as one. Although a body 31 and a lid 32 consist of thickness of abbreviation identitas, they are thin as compared with a body 31 and a lid 32 so that it may see to drawing 14 b and drawing 18 a, and have composition which hinges a body 31 and a lid 32 using the resiliency of synthetic resin. [of a hinge region 35]

[0076] As a raw material of the receipt preservation container 3, synthetic resin, such as polyethylene, polypropylene, and polyethylene terephthalate, can be used. Moreover, synthetic resin, such as polyethylene, can be used as a raw material of the sheet-like packing 39.

[0077] The body 31 and the lid 32 are making the flat-surface section 36 which continues by the hinge region 35, and the flat-surface section 36 consists of flat-surface section of body 36a, and lid flat-surface section 36b so that it may see to drawing 14 b and drawing 18 a. The flat-surface configuration is formed in flat-surface section of body 36a in the shape of [of a circle configuration] a bowl, a cleaning tank 34 is surrounded by flat-surface section 36b of a lid 32 at flange 34a of the shape of a bank of a circular ring, and, as for the preservation tub 33, the flat-surface configuration is formed in the shape of [of a circle configuration] a bowl.

[0078] It is constituted so that flange 34a may fit into the upper part of the preservation tub 33 through preservation tub packing 39a in the condition (refer to drawing 16 b) of having rotated the lid 31 by the hinge region 35, and having made close flat-surface section of body 36a of a body 31, and lid flat-surface section 36b of a lid 32. In addition, in this condition, cleaning tank packing 39b is abandoned like the after-mentioned.

[0079] If it applies to the front end part and back end part of a lid 32 from the right end part of a body 31 so that it may see to drawing 14 a, slit-like slot 32b is drilled, and lid flat-surface section 36b and a cleaning tank 34 are surrounded by this slot 32b. Therefore, the front end and the back end of lid flat-surface section 36b are divided by this slot 32b, and form long and slender piece edge of lid 32a. This slot 32b was not drilled in lid 32 right end, but this part has connected [one] lid flat-surface section 36b and piece edge of lid 32a as bridge section 32c.

[0080] The fitting section 37 is formed in the left of the preservation tub 33 of a body 31, the front, back and the method of the right of the cleaning tank 34 of a lid 32, the front, and back. It is the holes 37d, 37e, and 37f of the configuration which connected the square as the three fitting sections 37 of a body 31 have a circular flat-surface configuration, and the three fitting sections 37 of a lid 32 are the cylindrical heights 37a, 37b, and 37c which have a beak-like projection on a head (refer to drawing 14 b, drawing 14 c, and drawing 18 a).

[0081] light-gage [of the shape of a cylinder from which the tip became spherical in the base although the cylindrical heights 37a, 37b, and 37c protruded on lid flat-surface section 36b at one] -- business -- Crevice H is drilled. Drawing of longitudinal section of cylindrical heights 37b is shown in drawing 17 (since the close condition of a lid 32 and a body 31 is shown, the upper and lower sides have been reversed). light-gage -- business -- since Crevice H is not at the core of cylindrical heights 37b, carries out eccentricity and is drilled, one side forms the thin-walled part U to which meat became thin extremely. The same of this configuration is said of the cylindrical heights 37a and 37c.

[0082] the condition (drawing 16 a --) to which the fitting section 37 made close flat-surface section of body 36a of a body 31, and lid flat-surface section 36b of a lid 32. The beak of the head of the cylindrical heights 37a, 37b, and 37c by drawing 16 b, drawing 19, and drawing 20 37d of holes, It is constituted so that the condition (refer to drawing 16 b) that fitted into 37e and 37f and flange 34a of a cleaning tank 34 fitted into the upper part of the preservation tub 33 through preservation tub packing 39a can be held.

[0083] The stop section 38 is formed in the center of abbreviation of the flat-surface section 36. The stop section 38 consists of cylindrical heights 38a which protruded on the left of the cleaning tank 34 of hole 38b and lid flat-surface section 36b which it was formed in the flat-surface section of body 36a right end, and was connected [right end] at slot 32b. Hole 38b has the flat-surface configuration of the configurations of hole 37e and abbreviation bilateral symmetry, and is connected [b / of this flat-surface configuration / square partial fang furrow section 32]. cylindrical heights 38a -- the cylindrical heights 37a, 37b, and 37c -- the same -- a head -- a beak -- having -- **** -- and -- a pars basilaris ossis occipitalis -- light-gage -- business -- Crevice H is drilled.

[0084] Cylindrical heights 38a and hole 38b are constituted so that the beak of the head of cylindrical heights 38a may be stopped by the right end base of flat-surface section of body 36a in the condition (drawing 16 a, drawing 16 b, drawing 19, drawing 20) of having made close flat-surface section of body 36a of a body 31, and lid flat-surface section 36b of a lid 32. Therefore, the fitting condition of a body 31 and a lid 32 is constituted so that it may be held by two places, the fitting section 37 and the stop section 38.

[0085] In the state of [intact] the receipt preservation container 3, restoration seal of the preservation liquid (not shown) is carried out at the preservation tub 33, and penetrant remover (not shown) restoration seal is carried out in the cleaning tank 34. Moreover, preservation tub packing 39a and cleaning tank packing 39b are connected in perforation M, and form the sheet-like packing 39.

[0086] Drawing 21 a - drawing 22 d explains an operation of the receipt preservation container 3 of this example below. Since drawing 21 a - drawing 22 d is an explanatory view, details have been omitted suitably.

[0087] Restoration seal of the preservation liquid (not shown) is carried out at nothing and the preservation tub 33 in a series of flat-surface sections 36 which flat-surface section of body 36a and lid flat-surface section 36b followed in the intact condition, penetrant remover (not shown) restoration seal of the receipt preservation container 3 of this example is carried out in a cleaning tank 34, and the seal condition is held with the sheet-like packing 39 so that it may see to drawing 21 a.

[0088] After the wearing person of a contact lens C removes a contact lens C, first, he exfoliates from lid flat-surface section 36b, and separates and abandons cleaning tank packing 39b from perforation M, so that it may see to drawing 21 b. Since a cleaning

tank 34 is opened now, a contact lens C is washed in the penetrant remover (not shown) of a cleaning tank 34. A penetrant remover (not shown) is abandoned after washing. Under the present circumstances, since the preservation tub 33 is still in a seal condition, restoration seal of the preservation liquid in the preservation tub 33 (not shown) is carried out.

[0089] Next, preservation tub packing 39a is made to exfoliate about 2/3 so that it may see to drawing 21 c, and the washed contact lens C is thrown in in the preservation liquid in the preservation tub 33 (not shown). Furthermore, a lid 32 is counterclockwise rotated focusing on a hinge region 35 like drawing 21 d, and fitting of a body 31 and the lid 32 is carried out like drawing 21 e. At this time, it rotates counterclockwise and the edge T of lid flat-surface section 36b projects at the right end of the receipt preservation container 3 whole.

[0090] Under the present circumstances, since ** arrival of the preservation tub packing 39a is carried out between flange 34a of a cleaning tank 34, and the upper part of the preservation tub 33 and it seals the preservation tub 33 so that it may see to drawing 21 d, and preservation tub packing 39a may be seen to drawing 21 e, although about [that] 2/3 has lost adhesive strength, leakage of the preservation liquid in the preservation tub 33 (not shown) is prevented certainly.

[0091] Moreover, the fitting condition of a body 31 and a lid 32 is certainly held according to a fitting operation of the above-mentioned fitting section 37, and a stop operation (refer to drawing 16 b and drawing 20) of the stop section 38. Thereby, a contact lens C is stably held in the preservation liquid (not shown) of the preservation tub 33.

[0092] Next, in case a contact lens C is reused, a finger is hung on the edge T in the condition of having projected at the right end of the receipt preservation container 3 as shown in drawing 22 a, and it pulls up up strongly. thereby, the beak of the head of cylindrical heights 38a of the stop section 38 cancels of the condition (refer to drawing 16 b and drawing 20) of having been stopped at the right end of flat-surface section of body 36a, first -- having -- lid flat-surface section 36b -- bridge section 32c of a lid 32 -- as the supporting point -- counterclockwise rotation -- it is going to start (refer to drawing 22 a).

[0093] under the present circumstances, light-gage [which was drilled in the base of cylindrical heights 38a although stress concentrated on cylindrical heights 38a first] - - business -- since the thinning of a part of base of cylindrical heights 38a is carried out by Crevice H (refer to drawing 16 b), cylindrical heights 38a is fractured from this part, and, thereby, the stop section 38 wears irreversible damage (refer to drawing 22 a).

[0094] Moreover, since piece edge of lid which is separated by slot 32b so that it may see to drawing 14 a, if [the force of pulling up Edge T up further after the stop section 38 was canceled is applied], and, and is hinged on flat-surface section of body 36a by hinge regions 35 and 35 32a is in a quiescent state, stress dynamically out of balance is concentrated on the cylindrical heights 37a and 37c of the fitting section 37 next (refer to drawing 22 a).

[0095] the cylindrical heights 37a and 37c -- a pars basilaris ossis occipitalis -- light-gage -- business -- since Crevice H is drilled and the thinning of that base is carried out, this part fractures. Thereby, the configuration of the fitting section 37 wears irreversible damage in the part of the cylindrical heights 37a and 37c. Simultaneously, the condition that the beak of the head of the cylindrical heights 37a and 37c fitted into Holes 37d and 37d is canceled, a lid 32 uses bridge section 32c as the supporting point, and Edge T will be in the condition of having come floating a little (refer to

drawing 22 b).

[0096] Next, as shown in drawing 22 c, the part of the left approach of a lid 32 is gathered with a finger, and this part is pulled up strongly. Thereby, all stress concentrates on cylindrical heights 37b in which the fitting section 37 remains. The beak of the head of cylindrical heights 37b is compulsorily pulled out from hole 37e into which the base was fractured since light-gage **** H was drilled in the pars basilaris ossis occipitalis (refer to drawing 16 b), and cylindrical heights 37b had also fitted. Under the present circumstances, hole 37e also deforms. That is, the fitting section 37 wears irreversible damage also in the part of cylindrical heights 37b.

[0097] Thereby, the fitting condition of a body 31 and a lid 32 is canceled completely, and a lid 32 rotates clockwise focusing on a hinge region 35, and will be in the condition which shows in drawing 22 d. Under the present circumstances, since it rotates while the beak of the head of the cylindrical heights 37a, 37b, and 37c and cylindrical heights 38a had hung preservation tub packing 39a, preservation tub packing 39a also rotates clockwise with a lid 32, the preservation tub 33 will be in an opening condition, and extraction of a contact lens C will be attained from the preservation tub 33. The receipt preservation container 3 which became reuse impossible from the preservation tub 33 after extraction about the contact lens C is abandoned.

[0098] The 4th example of <4th example> this invention is one example of invention indicated by claim 5. The receipt preservation container 4 of this example consists of hinge regions 45 which connect [c / drawing 23 a - drawing 23] a body 41, a lid 42 and a body 41, and a lid 42 as one so that it may be shown.

[0099] The body 41 and the lid 42 are connected as the flat-surface section 46, the washing preservation tub 43 is formed in the body part of the flat-surface section 46, and the disc-like heights 44 of the magnitude by which fitting is carried out to the upper part of the above-mentioned washing preservation tub 43 are formed in the lid part of the flat-surface section 46.

[0100] In the intact condition, as for the receipt preservation container 4 of this example, the washing preservation tub 43 is sealed with the sheet-like packing 49. That is, as shown in drawing 23 a, packing 49 is pasted up on the circumference part of the washing preservation tub 43 with Adhesives P (a sketch part expresses Adhesives P). In addition, the washing preservation tub 43 is filled up with washing preservation liquid (not shown).

[0101] Although the fitting section 47 and the stop section 48 are formed in the flat-surface section 46, since the configuration is the same as that of the fitting section 37 of an example 3, and the stop section 38 (refer to drawing 14 a - drawing 20), detailed explanation is omitted. Moreover, the configuration of a hinge region 45 is also the same as the configuration of the hinge region 35 (refer to drawing 14 b) of an example 3. The quality of the material as an example 3 also with the still more nearly same quality of the material can be used. Packing 49 can also use the same quality of the material as the packing 39 (refer to drawing 18 b) of an example 3.

[0102] That is, the receipt preservation container 4 of this example is what removed the cleaning tank 34 with the receipt preservation container 3 (refer to drawing 14 a - drawing 20) of an example 3, and made the preservation tub 33 the washing preservation tub 43, and is a container corresponding to the store method of the contact lens only using washing preservation liquid (not shown). Therefore, it constitutes so that the fitting seal condition (refer to drawing 23 c) which formed the disc-like heights 44 (refer to drawing 23 a and drawing 23 b) instead of flange 34a of the cleaning tank 34 in an example 3, and minded the packing 49 of a lid 42 and a

body 41 may be made into a positive thing.

[0103] That is, the watertight configuration of the washing preservation tub 43 is certainly held by carrying out fitting of the disc-like heights 44 prepared in one to a lid 42 through packing 49 in the upper part of the washing preservation tub 43 of a body 41 so that it may see to drawing 23 c. In addition, the fitting condition of the fitting section 47 and the stop condition of the stop section 48 are the same as the fitting condition of the fitting section 37 of the preservation container 3 of an example 3, and the stop condition (drawing 16 a, drawing 16 b, drawing 20) of the stop section 38.

[0104] Although the process which washes a contact lens with a cleaning tank is skipped since an operation of the receipt preservation container 4 of this example does not have an independent cleaning tank, processes since then are an operation of the receipt preservation container 3 of the example 3 shown in drawing 21 c - drawing 21 e and drawing 22 a - drawing 22 d, and abbreviation identitas.

[0105] In addition, naturally the configuration which does not have the independent cleaning tank in this example is applicable also to an example 1 or an example 2.

[0106] The 5th example of <5th example> this invention is one example of invention indicated by claim 5. The receipt preservation container 5 of this example consists of the bodies 51 and lids 52 as another components, as shown in drawing 24 a - drawing 24 d. The washing preservation tub 53 is formed in the flat-surface section 55 of a body of a body 51, and the disc-like heights 54 of the magnitude by which fitting is carried out are formed in the upper part of the above-mentioned washing preservation tub 53 at the lid flat-surface section 56.

[0107] In the intact condition, as for the receipt preservation container 5 of this example, the washing preservation tub 53 is sealed with the sheet-like packing 59. That is, as shown in drawing 24 a, packing 59 is pasted up on the periphery of the washing preservation tub 53 with Adhesives P (a sketch part expresses Adhesives P). In addition, the washing preservation tub 53 is filled up with washing preservation liquid (not shown).

[0108] Although the fitting section 57 and the stop section 58 are formed in the flat-surface section 55 of a body, and the lid flat-surface section 56, since the configuration is the same as that of the fitting section 37 of an example 3, and the stop section 38 (refer to drawing 14 a - drawing 20), detailed explanation is omitted.

Moreover, the quality of the material can also use the same quality of the material as an example 3. Packing 59 can also use the same quality of the material as the packing 39 (refer to drawing 18 b) of an example 3.

[0109] That is, the receipt preservation container 5 of this example is what removed the cleaning tank 34 with the receipt preservation container 3 (refer to drawing 14 a - drawing 20) of an example 3, made the preservation tub 33 the washing preservation tub 53, also removed the hinge region 35 further and used the body 51 and the lid 52 as another components, and is a container corresponding to the store method of the contact lens only using washing preservation liquid (not shown).

[0110] Therefore, it constitutes so that the fitting seal condition (refer to drawing 25 c) which formed the disc-like heights 54 (refer to drawing 24 b and drawing 24 d) instead of flange 34a of the cleaning tank 34 in an example 3, and minded the packing 59 of a lid 52 and a body 51 like the example 4 may be made into a positive thing.

[0111] That is, the watertight configuration of the washing preservation tub 53 is certainly held by carrying out fitting of the disc-like heights 54 prepared in one to a lid 52 through packing 59 in the upper part of the washing preservation tub 53 of a body 51 so that it may see to drawing 25 c. In addition, the fitting condition of the

fitting section 57 and the stop condition of the stop section 58 are the same as the fitting condition of the fitting section 37 of the receipt preservation container 3 of an example 3, and the stop condition (drawing 16 a, drawing 16 b, drawing 20) of the stop section 38.

[0112] Although the process which washes a contact lens with a cleaning tank is skipped since an operation of the receipt preservation container 5 of this example does not have an independent cleaning tank, processes since then are an operation of the receipt preservation container 3 of the example 3 shown in drawing 21 c - drawing 21 e and drawing 22 a - drawing 22 d, and abbreviation identitas.

[0113] However, since it is another components with which the body 51 and the lid 52 became independent, in the process of drawing 21 d in an example 3 to drawing 21 e, and the process of drawing 22 c to drawing 22 d, a lid 52 is not rotated by the hinge region, and it becomes the configuration gathers a lid 52 by the fingertip and it detaches [configuration] on a body 51. In addition, naturally the configuration which does not have a hinge region in this example is applicable also to the 1st example and the 2nd example.

[0114] The 6th example of <6th example> this invention is one example of invention indicated by claim 6. The receipt preservation container 6 (refer to drawing 26 a and drawing 26 b) of this example is what changed the configuration of the preservation tub 33 into the preservation tub 63 with a seal in the configuration of the preservation container 3 of the 3rd example, and the configuration of the cylindrical heights E (it corresponds to the cylindrical heights 37a, 37b, 37c, and 38a of the preservation container 3) which protrude on a lid 61 is also changed a little in connection with this. The configuration of **** is the same as the configuration of the receipt preservation container 3 of the 3rd example.

[0115] That is, the opening hole K which has about 2/3 diameter of the diameter of the preservation tub 63 is drilled in the base of the preservation tub 63 established in the body 61 in the receipt preservation container 6 of this example (drawing 26 a is a bottom view), and it is constituted so that the contact lens C in the direct preservation tub 63 can be picked out from this opening hole K (refer to drawing 32).

[0116] In the intact condition, the base of the preservation tub 63 with a seal is sealed with the abbreviation egg-shaped seal S for opening so that it may see to drawing 26 a and drawing 26 b. That is, since the seal S for opening is pasted up on the circumference part of the opening hole K of the base of the preservation tub 63 with Adhesives P, the interior of the preservation tub 63 with a seal is in a seal condition (a sketch part expresses Adhesives P). In this case, once Adhesives P exfoliate, let them be the thing of a class which loses the original adhesive strength. In addition, the condition of carrying out fitting of a body 61 and the lid 62 to drawing 28 and drawing 30 is shown.

[0117] An operation of this example is the receipt preservation container 3 and abbreviation identitas (refer to drawing 21 a - drawing 21 e) of the 3rd example in the case of preservation of a contact lens C. however, the contact lens C -- it is going to reuse -- to a case, it sees at drawing 32 -- as -- the preservation container 6 whole -- turning over -- the base of the preservation tub 63 with a seal -- a top -- turning -- the seal S for opening -- the base of the preservation tub 63 with a seal -- all -- or what is necessary is just to make it exfoliate in part and to pick out a contact lens C from the opening hole K

[0118] Since the original adhesive strength will be lost once Adhesives P (refer to drawing 26 a) exfoliate, it is impossible to re-paste up the seal S for opening on the base of the preservation tub 63 with a seal. That is, the preservation container 6 of this

example wears irreversible damage in the configuration by exfoliating the seal S for opening from the base of the preservation tub 63 with a seal.

[0119] Therefore, in this example, there is no necessity made the configuration whose fitting section or fitting section, and stop section wear irreversible damage like the 1st example - the 5th example. so, light-gage [which was prepared in the cylindrical heights E which protruded on the top face of a lid 62 in this example as shown in drawing 26 a and drawing 26 b at the cylindrical heights 37a, 37b, 37c, and 38a of the preservation container 3] -- business -- Crevice H (refer to drawing 14 a and drawing 17) is not formed.

[0120] Naturally the configuration of the preservation tub 63 with a seal in this example is applicable also to the preservation tub 13 (refer to drawing 4) of the 1st example, and the preservation tub 23 (refer to drawing 9) of the 2nd example.

[0121] The receipt preservation container 7 of the 7th example shown in <7th example> drawing 27 and drawing 29 is changed into the washing preservation tub 73 with a seal which has the opening hole K and the seal S for opening for the washing preservation tub 43 (refer to drawing 23 b) of the preservation container 4 in the 4th example on a base. therefore, the cylindrical heights E -- light-gage -- business -- it has the composition of not having a crevice. In addition, 71 is a body and 72 is a lid.

[0122] The receipt preservation container 8 of the 8th example shown in <8th example> drawing 31 is changed into the washing preservation tub 83 with a seal which has the opening hole K and the seal S for opening for the washing preservation tub 53 (refer to drawing 24 c) of the preservation container 5 in the 5th example on a base. therefore, the cylindrical heights E -- light-gage -- business -- it has the composition of not having a crevice. In addition, 81 is a body and 82 is a lid.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the appearance perspective view of the 1st example of this invention.

b It is the appearance perspective view of packing of the 1st example of this invention.

[Drawing 2] It is the appearance perspective view which looked down at the condition of carrying out fitting of the body and lid of the 1st example of this invention, from the flat-surface side.

b It is the appearance perspective view which looked down at the condition of carrying out fitting of the body and lid of the 1st example of this invention, from the base side.

[Drawing 3] It is the top view of the 1st example of this invention.

b It is the front view which chipped off in a part of 1st example of this invention.

c It is the left side view of the 1st example of this invention.

d It is the right side view of the 1st example of this invention.

[Drawing 4] It is the A-A sectional view of drawing 3 a.

[Drawing 5] It is the top view of packing of the 1st example of this invention.

b It is the front view of packing of the 1st example of this invention.

[Drawing 6] a-e It is a reference explanatory view explaining an operation of the 1st example of this invention.

[Drawing 7] a-d It is a reference explanatory view explaining an operation of the 1st example of this invention.

[Drawing 8] It is the top view of the 2nd example of this invention.

b It is the front view of the 2nd example of this invention.

c It is the left side view of the 2nd example of this invention.

d It is the right side view of the 2nd example of this invention.

[Drawing 9] It is the A-A sectional view of drawing 8 .

[Drawing 10] It is a top view in the condition of carrying out fitting of the body and lid of the 2nd example of this invention.

b It is the A-A sectional view of drawing 10 a.

[Drawing 11] It is the appearance perspective view of the 2nd example of this invention.

b It is the appearance perspective view of packing of the 2nd example of this invention.

c It is the appearance perspective view which looked at the condition of carrying out fitting of the body and lid of the 2nd example of this invention, from the base side.

[Drawing 12] a-e It is a reference explanatory view explaining an operation of the 2nd example of this invention.

[Drawing 13] a-d It is a reference explanatory view explaining an operation of the 2nd example of this invention.

[Drawing 14] It is the top view of the 3rd example of this invention.

b It is the front view of the 3rd example of this invention.

c It is the right side view of the 3rd example of this invention.

[Drawing 15] It is the A-A sectional view of drawing 14 a.

[Drawing 16] It is a top view in the condition of carrying out fitting of the body and lid of the 3rd example of this invention.

b It is the A-A sectional view of drawing 10 a.

[Drawing 17] It is the enlarged drawing of the important section of drawing 16 b.

[Drawing 18] It is the appearance perspective view of the 3rd example of this invention.

b It is the appearance perspective view of packing of the 3rd example of this invention.

[Drawing 19] It is the appearance perspective view which looked at the condition of carrying out fitting of the body and lid of the 3rd example of this invention, from the flat-surface side.

[Drawing 20] It is the appearance perspective view which chipped off the part which looked at the condition of carrying out fitting of the body and lid of the 3rd example of this invention, from the base side.

[Drawing 21] a-e It is a reference explanatory view explaining an operation of the 3rd example of this invention.

[Drawing 22] a-d It is a reference explanatory view explaining an operation of the 3rd example of this invention.

[Drawing 23] It is the top view of the 4th example of this invention.

b It is the front view of the 4th example of this invention.

c It is drawing of longitudinal section in the condition of carrying out fitting of the body and lid of the 4th example of this invention.

[Drawing 24] It is the top view of the body of the 5th example of this invention.

b It is the top view of the lid of the 5th example of this invention.

c It is the front view of the body of the 5th example of this invention.

d It is the front view of the lid of the 5th example of this invention.

[Drawing 25] It is a top view in the condition of carrying out fitting of the body and lid of the 5th example of this invention.

b It is a front view in the condition of carrying out fitting of the body and lid of the 5th example of this invention.

c It is the A-A sectional view of drawing 25 a.

[Drawing 26] It is the top view of the 6th example of this invention.

b It is the A-A sectional view of drawing 26 a.

[Drawing 27] It is drawing of longitudinal section of the longitudinal direction of the 7th example of this invention.

[Drawing 28] It is drawing of longitudinal section in the condition of carrying out fitting of the body and lid of the 6th example of this invention.

[Drawing 29] It is drawing of longitudinal section in the condition of carrying out fitting of the body and lid of the 7th example of this invention.

[Drawing 30] It is the appearance perspective view which chipped off the part seen from the base side of the 6th example of this invention.

[Drawing 31] It is drawing of longitudinal section of the body of the 8th example of this invention.

b It is drawing of longitudinal section of the lid of the 8th example of this invention.

[Drawing 32] It is a reference explanatory view explaining an operation of the 6th example of this invention.

[Description of Notations]

1 Receipt Preservation Container

Eleven bodies

11a Piece edge of a body

11b Stabilizer

Twelve lids

12a Piece edge of a lid

12b Slot

12c Bridge section

12d Rib

12e Rib

12f Thin-walled part

12g Thin-walled part

13 preservation tubs

13a Flange

14 cleaning tanks

14a Flange

15 hinge regions

16 flat-surface sections

16a Flat-surface section of a body

16b Lid flat-surface section

17 fitting sections

17a Opening

17b The piece of a stop

17c Column

17d Column

17e Protruding piece

18 stop sections

18a Heights

19 packing

19a Preservation tub packing

19b Cleaning tank packing

19c Hole

19d Hole

2 Receipt Preservation Container

21 Body

22 Lid
22a Piece edge of a lid
22b Slot
23 Preservation Tub
24 Cleaning Tank
24a Flange
25 Hinge Region
26 Flat-Surface Section
26a Flat-surface section of a body
26b Lid flat-surface section
27 Fitting Section
27a Wall-like heights
27b *****
27c *****
27d *****
27e Hole
28 Stop Section
28a Wall-like heights
28b *****
28c *****
28d *****
29 Packing
29a Preservation tub packing
29b Cleaning tank packing
29c Hole
29d Hole
3 Receipt Preservation Container
31 Body
32 lids
32a Piece edge of a lid
32b Slot
32c Bridge section
33 preservation tubs
34 cleaning tanks
34a Flange
35 hinge regions
36 flat-surface sections
36a Flat-surface section of a body
36b Lid flat-surface section
37 fitting sections
37a Cylindrical heights
37b Cylindrical heights
37c Cylindrical heights
37d Hole
37e Hole
37f Hole
38 stop sections
38a Cylindrical heights
38b Hole
39 packing

39a Preservation tub packing
39b Cleaning tank packing
39c Hole
39d Hole
4 Receipt Preservation Container
41 Body
42 Lid
43 Washing Preservation Tub
44 Disc-like Heights
45 Hinge Region
46 Flat-Surface Section
47 Fitting Section
48 Stop Section
49 Packing
5 Receipt Preservation Container
51 Body
52 Lid
53 Washing Preservation Tub
54 Disc-like Heights
55 Flat-Surface Section of Body
56 Lid Flat-Surface Section
57 Fitting Section
58 Stop Section
59 Packing
6 Receipt Preservation Container
61 bodies
62 lids
A preservation tub with 63 seals
7 Receipt Preservation Container
71 bodies
72 lids
A washing preservation tub with 73 seals
8 Receipt Preservation Container
81 bodies
82 lids
A preservation tub with 83 seals
C Contact lens
E Cylindrical heights
H light-gage -- business -- a crevice
K Opening hole
M Perforation
P Adhesives
S The seal for opening
T Edge
U Thin-walled part

DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]

[Field of the Invention] A configuration whose reuse of this receipt preservation container a part of configuration of this receipt preservation container is destroyed, and becomes impossible is related in the disposable receipt preservation container for contact lenses of this invention to the disposable receipt preservation container for contact lenses have by once picking out this contact lens from this receipt preservation container on the occasion of the reuse of the contact lens which carried out seal preservation in this receipt preservation container.

[0002]

[Description of the Prior Art] Conventionally, various existence was recognized, the container itself was not throwing away, and receipt preservation of a contact lens was possible for the container which carries out receipt preservation of the contact lens repeatedly (Japanese Patent Application No. 6-523579, the contact lens container, and operation as one example).

[0003] Moreover, when the container itself is throwing away, the contact lens surely contained in it is also throwing away only for 1 time, and the present condition is that the container of throwing away of a limitation is sold once by the set with the contact lens of throwing away of a limitation.

[0004]

[Problem(s) to be Solved by the Invention] When that to which the container of throwing away of a limitation is sold once by the set with the contact lens of throwing away of a limitation is purchased and both contact lens of throwing away only for [above-mentioned] 1 time and container of throwing away only for [above-mentioned] 1 time are used as throwing away, the problem did not generate at all, but when the contact lens in which a reuse is possible is repeated in the preservation container in which a reuse is possible and receipt preservation is carried out, it was not able to avoid that various kinds of problems occur.

[0005] The greatest thing is a problem in a health side among many of the problems. In being the contact lens in which a reuse is possible, in order to protect an eyeball from bacterial infection etc. to a wearing person, it is a well-known fact that being cared for a contact lens every day is called for.

[0006] As the approach of a care, after usually removing a contact lens, a contact lens is washed by the penetrant remover, a contact lens is immersed into the preservation container containing preservation liquid, and the method of sealing and saving a container is taken. Or the washing preservation liquid which has both the functions of washing and preservation may wash a contact lens, a contact lens may be immersed into the preservation container containing this washing preservation liquid, and the approach of sealing and saving a container may be taken.

[0007] which approach -- an imitation -- a wearing person's interest is turned to washing preservation of the body of a contact lens, and the inclination for every wearing person to perform this comparatively eagerly about washing preservation of the body of a contact lens is accepted. However, as for the present condition, there are very few wearing persons that it is comparatively indifferent about the sanitary conditions in the direction of the container which carries out receipt preservation of the body of a contact lens, and even a container washes every day.

[0008] However, the opportunity for the importance of a care of a contact lens preservation container to also be explained is increasing like the care of the body of a contact lens, and the importance of a care of a contact lens preservation container is beginning to be briskly advertized to a wearing person from a medical side or the manufacturer side of a contact lens in recent years.

[0009] Since it always fills up with the existing antibacterial preservation liquid or

washing preservation liquid in the contact lens preservation container to be sure, if it glances, even if it will use it repeatedly, without thinking that cleanliness is maintained and being cared especially, it can also be called ***** from unreasonableness that many of wearing people think that it is OK.

[0010] However, the problem of a biotechnology film comes to be pointed out in recent years, and the care in respect of the health of the container itself has come to be regarded as questionable anew.

[0011] Once the bacteria of a biotechnology film are the minds of the aggregate of the bacteria of the shape of a film which form by carrying out a ** collection and this biotechnology film is formed, the role of armor will be played, and the bacteria inside a biotechnology film will be protected from an antimicrobial agent, consequently it will become difficult [sterilization and disinfection] very much [this biotechnology film].

[0012] Although such a biotechnology film was regarded as questionable from before by the blinding phenomenon of a filter pump etc. in the industrial world, it has come to be considered as the cause of the phenomenon in which it does not disinfect in recent years even if the medical world also came to be made into subject and the antibacterial drug has reached the effective dose about the problem of a chronic durability infectious disease.

[0013] However this biotechnology film may be formed in a contact lens preservation container also in the contact lens industry and it may be cared for the lens itself, it has turned out that bacteria survive in the biotechnology film formed in the preservation container, these bacteria adhere to a contact lens, it goes into an eyeball further, and the case which causes an infectious disease exists not a little.

[0014] It is cared like [a contact lens preservation container] a contact lens from a medical side or a contact lens manufacturer side for the reason for the above every day (washing), and appeal that it is important that a biotechnology film is made not to be formed should have began to do.

[0015] However, the fixed idea that naturally the interior of a preservation container where it filled up with antibacterial preservation liquid or washing preservation liquid as mentioned above is pure is strong to a wearing person side, and the present condition is that there are almost no those by whom it is cared for a preservation container by the care of the body of a contact lens as a line every day.

[0016] Therefore, even if not cared, the present condition is that development of a preservation means of a contact lens by which a contact lens can be saved at clarification is desired, at the same time it continues appeal of a care of a preservation container.

[0017] Moreover, there was inconvenient [that the preservation container for contact lenses must be emptied as another trouble of the conventional preservation container for contact lenses in which a reuse is possible whenever it contains a contact lens every day and preservation liquid or washing preservation liquid had to be replaced].

[0018] And since it was the system filled up with the preservation liquid or washing preservation liquid in the condition of having been put in by the bottle on that occasion, in the preservation container for contact lenses, there were also quite a few troubles of spilling preservation liquid or washing preservation liquid accidentally during restoration, and they were uneconomical.

[0019] Therefore, it is also the present condition that development of the preservation means which can cancel the above-mentioned fault is called for.

[0020]

[Means for Solving the Problem] This invention is made in order to solve the above-

mentioned technical problem, and it offers the following solution means.

It is a receipt preservation container for the <solution means 1> contact lenses, and seal preservation of the contact lens after use is possible, irreversible damage wears in a part of configuration of the above-mentioned receipt preservation container, and the disposable receipt preservation container for contact lenses carry out having a configuration so that it may become that the reuse of the above-mentioned receipt preservation container is impossible as the description provides by opening the configuration of the above-mentioned seal state of preservation on the occasion of the reuse of the above-mentioned contact lens.

Are a receipt preservation container for the <solution means 2> contact lenses, and it has a cleaning tank and a preservation tub. The above-mentioned preservation tub will be sealed by the sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. A part or all of the above-mentioned sealing means wears irreversible damage by opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens. The solution means 1 characterized by being constituted so that the reuse of the above-mentioned receipt preservation container may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

Are a receipt preservation container for the <solution means 3> contact lenses, and it has a washing preservation tub. The above-mentioned washing preservation tub will be sealed by the sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. A part or all of the above-mentioned sealing means wears irreversible damage by opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens. The solution means 1 characterized by being constituted so that the reuse of the above-mentioned receipt preservation container may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 4> It consists of a body which has the preservation tub with which preservation liquid was enclosed beforehand, and a lid which has the cleaning tank with which the penetrant remover was enclosed beforehand. The above-mentioned sealing means consists of the fitting sections and the stop sections to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing. The above-mentioned preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 2 characterized by being constituted so that the above-mentioned fitting section may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible at least among the above-mentioned fitting section and the above-mentioned stop section is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 5> It consists of the bodies and lids which have the washing preservation tub with which washing preservation liquid was enclosed beforehand. The above-mentioned sealing means consists of the fitting sections and the stop sections to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing. The above-mentioned washing preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt

preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 3 characterized by being constituted so that the above-mentioned fitting section may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible at least among the above-mentioned fitting section and the above-mentioned stop section is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 6> It consists of a body which has the preservation tub with which preservation liquid was enclosed beforehand, and a lid which has the cleaning tank with which the penetrant remover was enclosed beforehand. It consists of seals for opening with which the above-mentioned sealing means was put on the opening hole of the fitting section to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing, the stop section, and the above-mentioned preservation tub. The above-mentioned preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned seal for opening among the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 2 characterized by being constituted so that the above-mentioned seal for opening may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

<Solution means 7> It consists of the bodies and lids which have the washing preservation tub with which washing preservation liquid was enclosed beforehand. It consists of seals for opening with which the above-mentioned sealing means was put on the opening hole of the fitting section to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing, the stop section, and the above-mentioned washing preservation tub. The above-mentioned washing preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned seal for opening among the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The solution means 3 characterized by being constituted so that the above-mentioned seal for opening may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible is provided with the disposable receipt preservation container for contact lenses of a publication.

[0021] In the disposable receipt preservation container for contact lenses of this invention, when carrying out the reuse of this contact lens once making a contact lens into a seal state of preservation, the greatest description is by opening the configuration of the above-mentioned seal state of preservation to the point taken in a configuration from which the part of either of the configurations of a receipt preservation container wears irreversible damage over, and the reuse of a receipt preservation container of it becomes impossible as the result.

[0022] That is, in invention of the solution means 4 and the solution means 5, although the fitting section and the stop section to which fitting of a body and the lid is carried out through sheet-like packing as a sealing means are used, the above-mentioned fitting section is destroyed at least in the case of opening (irreversible

damage), and the reuse of a receipt preservation container becomes impossible.

[0023] Moreover, although the seal for opening put on the opening hole which was drilled in the preservation tub or the washing preservation tub in invention of the solution means 6 and the solution means 7 in addition to the fitting section and the stop section to which fitting of a body and the lid is carried out through sheet-like packing as a sealing means is used By exfoliating the above-mentioned seal for opening in the case of opening, jointing of the above-mentioned seal for opening wears irreversible damage, and the reuse of a receipt preservation container of it becomes impossible.

[0024] Thus, since a configuration from which the part of either of the configurations of a receipt preservation container wears irreversible damage over, and the reuse of a receipt preservation container of it becomes impossible as the result by using it once is taken, the reuse of a receipt preservation container becomes impossible physically, and a wearing person does not get a disposable fake colander.

[0025] As the result, receipt preservation will be carried out, a biotechnology film must have been formed in a container new each time always, and the contact lens is very sanitary. moreover, since it is not necessary to fill the preservation tub of a receipt preservation container with preservation liquid from a bottle (or a washing preservation tub -- washing preservation liquid) like before, time and effort is not taken, but there is also no fear of spilling preservation liquid or washing preservation liquid.

[0026] In short, by offering the receipt preservation container of a configuration of not obtaining a disposable fake colander by the limitation once, this invention is completely pure to a wearing person in respect of health, and provides him with the preservation means of a very convenient contact lens also in respect of user-friendliness.

[0027]

[Embodiment of the Invention] This invention is explained to a detail, referring to a drawing.

The 1st example of <1st example> this invention is one example of invention indicated by claim 4. In the intact condition, the receipt preservation container 1 of this example consists of hinge regions 15 which connect the body 11 with which the preservation tub 13 was formed, the lid 12 with which the cleaning tank 14 was formed, a body 11, and a lid 12, as shown in drawing 1 a, drawing 1 b, drawing 3 a - drawing 3 d, and drawing 4.

[0028] In the intact condition, as for the receipt preservation container 1 of this example, the preservation tub 13 and the cleaning tank 14 are sealed with the sheet-like packing 19 (refer to drawing 1 R>1b). That is, as shown in drawing 3 a, packing 19 is pasted up on the periphery of the preservation tub 13, and the periphery of a cleaning tank 14 with Adhesives P (a sketch part expresses Adhesives P). In addition, preservation liquid (not shown) is carried out at the preservation tub 13, and seal restoration of the penetrant remover (not shown) is carried out in the cleaning tank 14.

[0029] As for packing 19, preservation tub packing 19a put and cleaning tank packing 19b put on a cleaning tank are connected [b / drawing 1 b, drawing 5 a, and / drawing 5 / tub / preservation] as one so that it may see.

[0030] It is put into perforation M by the boundary line of preservation tub packing 19a and cleaning tank packing 19b, and it is constituted so that preservation tub packing 19a and cleaning tank packing 19b can be separated easily. moreover -- the left of preservation tub packing 19a -- hole 19c -- Chuo of cleaning tank packing 19b - 19d of holes is drilled a little in the left, respectively.

[0031] The whole is a product made of synthetic resin, and the body 11, the lid 12, and the hinge region 15 are cast for the receipt preservation container 1 of this example as one. Although a body 11 and a lid 12 consist of thickness of abbreviation identitas, they are thin as compared with a body 11 and a lid 12 so that it may see to drawing 1 a, and have composition which hinges a body 11 and a lid 12 using the resiliency of synthetic resin. [of a hinge region 15]

[0032] As a raw material of the receipt preservation container 1, synthetic resin, such as polyethylene, polypropylene, and polyethylene terephthalate, can be used. Moreover, synthetic resin, such as polyethylene, can be used as a raw material of the sheet-like packing 19.

[0033] The flat-surface section 16 which continues by the hinge region 15 is formed in the body 11 and the lid 12, and the flat-surface section 16 consists of flat-surface section of body 16a, and lid flat-surface section 16b. The preservation tub 13 is surrounded by flange 13a which has slight climax in flat-surface section of body 16a, the flat-surface configuration is formed in the shape of [reverse D character-like] a bowl, a cleaning tank 14 is surrounded by flange 14a which has slight climax in lid flat-surface section 16b, and the flat-surface configuration is formed in the shape of [of a circle configuration] a bowl.

[0034] Piece edge of body 11a and piece edge of lid 12a which continue by the hinge region 15 are prepared in the periphery of a body 11 and a lid 12. Piece edge of body 11a is lower than flat-surface section of body 16a, and piece edge of lid 12a is higher than lid flat-surface section 16b. It is constituted so that piece edge of body 11a and piece edge of lid 12a may fasten preservation tub packing 19a of packing 19 and may fit in, where fitting of a body 11 and the lid 12 is carried out (refer to drawing 2 a and drawing 2 b) (like the after-mentioned, cleaning tank packing 19b is abandoned in this condition).

[0035] Moreover, the fitting section 17 is formed in the left end of a body 11, and the right end of a lid 12 (refer to drawing 1 a). Opening 17a constituted by the lower part of piece of stop 17b laid across one by the columns 17c and 17d which stand straight from stabilizer 11b prepared in the left end lower part of a body 11, and piece of stop 17b is prepared in the left end of a body 11.

[0036] Furthermore, protruding piece 17e is prepared in the right end of piece edge of lid 12a of a lid 12, and it is constituted so that protruding piece 17e may fit into opening 17a where fitting of a body 11 and the lid 12 is carried out (drawing 2 a, drawing 2 b), protruding piece 17e may be stopped by piece of stop 17b and the fitting condition of a body 11 and a lid 12 can be held.

[0037] Band-like slot 12b is drilled in the right end of flat-surface section of body 16a, and the perimeter of lid flat-surface section 16b so that lid flat-surface section 16b may be surrounded. Slot 12b is discontinuity in the right end part of a lid 12, and lid flat-surface section 16b of the center of a lid 12 sets this discontinuous part to bridge section 12c, and is connected [a / piece edge of lid 12] by one.

[0038] As shown in the base of bridge section 12c at drawing 2 a (condition to which fitting of a body 11 and the lid 12 was carried out), drawing 3 a, and drawing 3 d, rib 12e protrudes on the front end section of bridge section 12c, rib 12d protrudes on the back end section, the front part of rib 12e serves as 12g of thin-walled parts of a ditch type, and the rib 12d back part serves as 12f of thin-walled parts of a ditch type.

[0039] The stop section 18 is formed in the left of the cleaning tank 14 of lid flat-surface section 16b. The stop section 18 consists of hook type heights 18a, where fitting of a body 11 and the lid 12 is carried out (refer to drawing 2 R>2a and drawing 2 b), the hook-like point of heights 18a is stopped by the base of flat-surface section

of body 16a, and it is constituted so that the fitting condition of a body 11 and a lid 12 can be held. Therefore, the fitting condition of a body 11 and a lid 12 is constituted so that it may be held by two places, said fitting section 17 and the above-mentioned stop section 18.

[0040] Drawing 6 a - drawing 7 d explains an operation of the receipt preservation container 1 of this example. Since drawing 6 a - drawing 7 d is an explanatory view, details (flanges 13a and 14a seen to drawing 1 a) have been omitted.

[0041] Drawing 6 a shows the intact condition of the receipt preservation container 1 of this example. This condition -- by non-fitting, preservation tub packing 19a pastes flat-surface section of body 16a, cleaning tank packing 19b pastes [a body 11 and a lid 12] lid flat-surface section 16b, restoration seal of the preservation liquid (not shown) is carried out at the preservation tub 13, and penetrant remover (not shown) restoration seal is carried out in the cleaning tank 14. In addition, preservation tub packing 19a and cleaning tank packing 19b are not separated by perforation M, but form the sheet-like packing 19.

[0042] After the wearing person of a contact lens C removes a contact lens C, first, he exfoliates from lid flat-surface section 16b, and separates and abandons cleaning tank packing 19b from perforation M, so that it may see to drawing 6 b. Since a cleaning tank 14 is opened now, a contact lens C is washed in the penetrant remover (not shown) of a cleaning tank 14. A penetrant remover (not shown) is abandoned after washing. Under the present circumstances, since the preservation tub 13 is still in a seal condition, restoration seal of the preservation liquid in the preservation tub 13 (not shown) is carried out.

[0043] Next, preservation tub packing 19a is made to exfoliate about 2/3 so that it may see to drawing 6 c, and the washed contact lens C is thrown in in the preservation liquid in the preservation tub 13 (not shown). Furthermore, a lid 12 is counterclockwise rotated focusing on a hinge region 15 like drawing 6 d, and fitting of a body 11 and the lid 12 is carried out like drawing 6 e. At this time, it rotates counterclockwise and the edge T of lid flat-surface section 16b projects at the right end of the receipt preservation container 1 whole.

[0044] Under the present circumstances, since ** arrival of the preservation tub packing 19a is carried out between piece edge of body 11a, and piece edge of lid 12a although about [that] 2/3 has lost adhesive strength and the circumference part of preservation tub packing 19a seals the preservation tub 13 so that it may see to drawing 6 d, leakage of the preservation liquid in the preservation tub 13 (not shown) is prevented certainly.

[0045] Moreover, the fitting condition of a body 11 and a lid 12 is certainly held according to a fitting operation of the above-mentioned fitting section 17, and a stop operation (refer to drawing 2 b) of the stop section 18. Thereby, a contact lens C is stably held in the preservation liquid (not shown) of the preservation tub 13.

[0046] Next, in case a contact lens C is reused, a finger is hung on the edge T in the condition of having projected at the right end of the receipt preservation container 1 as shown in drawing 7 a, and it pulls up strongly. It is canceled of the condition (refer to drawing 2 b) that heights 18a of the stop section 18 was first stopped at the right end of [base] flat-surface section of body 16a, by this, and lid flat-surface section 16b starts counterclockwise rotation for bridge section 12c (refer to drawing 2 a) of a lid 12 as the supporting point.

[0047] Under the present circumstances, piece edge of lid 12a which is separated by slot 12b and hinged on flat-surface section of body 16a (refer to drawing 1) by hinge regions 15 and 15 so that it may see to drawing 2 a is in a quiescent state.

Consequently, dynamic stress out of balance is concentrated on the thin-walled parts 12f and 12g (refer to weakest part and drawing 2 a) before and behind bridge section 12c, and this part is fractured (drawing 7 b). That is, the configuration of bridge section 12c wears irreversible damage.

[0048] Next, as shown in drawing 7 c, the part of the left approach of a lid 12 is gathered with a finger, and this part is pulled up strongly. Thereby, protruding piece 17e of the fitting section 17 (refer to drawing 2 b) will be pulled out more compulsorily than opening 17a, stress joins piece of stop 17b, and the configuration of the fitting section 17 including Columns 17c and 17d wears irreversible damage.

[0049] Thereby, the fitting condition of a body 11 and a lid 12 is canceled completely, and a lid 12 rotates clockwise focusing on a hinge region 15, and will be in the condition which shows in drawing 7 d. Under the present circumstances, since it rotates while protruding piece 17e had placed preservation tub packing 19a, preservation tub packing 19a also rotates clockwise with a lid 12, the preservation tub 13 will be in an opening condition, and extraction of it will be attained from the preservation tub 13 in a contact lens C. The receipt preservation container 1 which became reuse impossible from the preservation tub 13 after extraction about the contact lens C is abandoned.

[0050] The 2nd example of <2nd example> this invention is one example of invention indicated by claim 4. The receipt preservation container 2 of this example consists of hinge regions 25 which connect the body 21 with which the preservation tub 23 was formed, the lid 22 with which the cleaning tank 24 was formed, a body 21, and a lid 22, as shown in drawing 8 a - drawing 8 d, drawing 9, and drawing 11 a and drawing 11 b.

[0051] In the intact condition, as for the receipt preservation container 2 of this example, the preservation tub 23 and the cleaning tank 24 are sealed with the sheet-like packing 29 (refer to drawing 11 b). That is, as shown in drawing 8 a, packing 29 is pasted up on the circumference part of the preservation tub 23, and the circumference part of a cleaning tank 24 with Adhesives P (a sketch part expresses Adhesives P). In addition, preservation liquid (not shown) is carried out at the preservation tub 23, and seal restoration of the penetrant remover (not shown) is carried out in the cleaning tank 24.

[0052] As for packing 29, preservation tub packing 29a put and cleaning tank packing 29b put on a cleaning tank 24 are connected [b / drawing 11 / tub / 23 / preservation] as one so that it may see. It is put into perforation M by the boundary line of preservation tub packing 29a and cleaning tank packing 29b, and it is constituted so that preservation tub packing 29a and cleaning tank packing 29b can be separated easily. Moreover, hole 29c of an abbreviation rectangle is drilled near the left end of preservation tub packing 29a, and 29d of holes of an abbreviation rectangle is drilled near the left end of cleaning tank packing 29b, respectively.

[0053] The whole is a product made of synthetic resin, and the body 21, the lid 22, and the hinge region 25 are cast for the receipt preservation container 2 of this example as one. Although a body 21 and a lid 22 consist of thickness of abbreviation identitas, they are thin as compared with a body 21 and a lid 22 so that it may see to drawing 8 b and drawing 11 a, and have composition which hinges a body 21 and a lid 22 using the resiliency of synthetic resin. [of a hinge region 25]

[0054] As a raw material of the receipt preservation container 2, synthetic resin, such as polyethylene, polypropylene, and polyethylene terephthalate, can be used. Moreover, synthetic resin, such as polyethylene, can be used as a raw material of the sheet-like packing 29.

[0055] The body 21 and the lid 22 are making the flat-surface section 26 which continues by the hinge region 25, and the flat-surface section 26 consists of flat-surface section of body 26a, and lid flat-surface section 26b. The flat-surface configuration is formed in flat-surface section of body 26a in the shape of [of a circle configuration] a bowl, a cleaning tank 24 is surrounded by lid flat-surface section 26b at flange 24a of the shape of a bank of a circular ring, and, as for the preservation tub 23, the flat-surface configuration is formed in the shape of [of a circle configuration] a bowl.

[0056] It is constituted so that flange 24a may fit into the upper part of the preservation tub 23 through preservation tub packing 29a in the condition (drawing 10 a, drawing 10 b, drawing 11 c) of having rotated the lid 21 by the hinge region 25, and having made close flat-surface section of body 26a of a body 21, and lid flat-surface section 26b of a lid 22, and it is (in this condition, cleaning tank packing 29b is abandoned like the after-mentioned).

[0057] If it applies to the front end part and back end part of a lid 22 from the right end part of a body 21 so that it may see to drawing 8 a, straight-line-like slot 22b is drilled, and as for lid flat-surface section 26b and a cleaning tank 24, the flat-surface configuration is surrounded by this reverse KO character-like slot 22b. Therefore, the front end and the back end of lid flat-surface section 26b are divided by this slot 22b, and form piece edge of lid 22a of the shape of a long and slender rectangle.

[0058] The fitting section 27 is formed in the left end of a body 21, and the right end of a lid 22. The fitting section 27 at the left end of a body 21 is hole 27e of the shape of a long and slender rectangle, and the head cross section where the fitting section 27 at the right end of a lid 22 has ***** 27b, 27c, and 27d has become triangle-like wall-like heights 27a.

[0059] the condition (drawing 10 a --) to which the fitting section 27 made close flat-surface section of body 26a of a body 21, and lid flat-surface section 26b of a lid 22 Wall-like heights 27a fits into hole 27e by drawing 10 b and drawing 11 c. *****27b, 27c and 27d are stopped by the base of flat-surface section of body 26a, and it is constituted so that the condition that flange 24a of a cleaning tank 24 fitted into the upper part of the preservation tub 23 through preservation tub packing 29a can be held.

[0060] The stop section 28 is formed near the left end of lid flat-surface section 26b. The head cross section which has ***** 28b, 28c, and 28d is triangle-like wall-like heights 28a, and the stop section 28 is constituted so that ***** 28b, 28c, and 28d may be stopped by the base of flat-surface section of body 26a in the condition (drawing 10 a, drawing 10 b, drawing 11 c) of having made close flat-surface section of body 26a of a body 21, and lid flat-surface section 26b of a lid 22. Therefore, the fitting condition of a body 11 and a lid 12 is [0061] constituted so that it may be held by two places, said fitting section 17 and the above-mentioned stop section 18.

Restoration seal of the preservation liquid (not shown) is carried out at the preservation tub 23, and penetrant remover (not shown) restoration seal is carried out in the cleaning tank 24. In addition, in an intact condition, preservation tub packing 29a and cleaning tank packing 29b are not separated by perforation M, but form the sheet-like packing 29 (refer to drawing 11 a).

[0062] Drawing 12 a - drawing 13 d explains an operation of the receipt preservation container 2 of this example below. Since drawing 12 a - drawing 13 d is an explanatory view, the configuration of details has been omitted suitably.

[0063] Restoration seal of the preservation liquid (not shown) is carried out at nothing and the preservation tub 23 in a series of flat-surface sections 26 which flat-surface section of body 26a and lid flat-surface section 26b followed in the intact condition,

penetrant remover (not shown) restoration seal of the receipt preservation container 2 of this example is carried out in a cleaning tank 24, and the seal condition is held with the sheet-like packing 29 so that it may see to drawing 12 a.

[0064] After the wearing person of a contact lens C removes a contact lens C, first, he exfoliates from lid flat-surface section 26b, and separates and abandons clearing tank packing 29b from perforation M, so that it may see to drawing 12 b. Since a cleaning tank 24 is opened now, a contact lens C is washed in the penetrant remover (not shown) of a cleaning tank 24. A penetrant remover (not shown) is abandoned after washing. Under the present circumstances, since the preservation tub 23 is still in a seal condition, restoration seal of the preservation liquid in the preservation tub 23 (not shown) is carried out.

[0065] Next, preservation tub packing 29a is made to exfoliate about 2/3 so that it may see to drawing 12 c, and the washed contact lens C is thrown in in the preservation liquid in the preservation tub 23 (not shown). Furthermore, a lid 22 is counterclockwise rotated focusing on a hinge region 25 like drawing 12 d, and fitting of a body 21 and the lid 22 is carried out like drawing 12 e. At this time, it rotates counterclockwise and the edge T of lid flat-surface section 26b projects at the right end of the receipt preservation container 2 whole.

[0066] Under the present circumstances, since ** arrival of the preservation tub packing 29a is carried out between flange 24a of a cleaning tank 24, and the upper part of the preservation tub 23 although about [that] 2/3 has lost adhesive strength and preservation tub packing 29a seals the preservation tub 23 so that it may see to drawing 12 d, leakage of the preservation liquid in the preservation tub 23 (not shown) is prevented certainly.

[0067] Moreover, the fitting condition of a body 21 and a lid 22 is certainly held according to a fitting operation of the above-mentioned fitting section 27, and a stop operation (refer to drawing 11 c) of the stop section 28. Thereby, a contact lens C is stably held in the preservation liquid (not shown) of the preservation tub 23.

[0068] Next, in case a contact lens C is reused, a finger is hung on the edge T in the condition of having projected at the right end of the receipt preservation container 2 as shown in drawing 13 a, and it pulls up up strongly. Thereby, first, it is canceled of the condition (refer to drawing 11 c) that ***** 28b, 28c, and 28d of the stop section 28 were stopped at the right end of [base] flat-surface section of body 26a, and lid flat-surface section 26b starts counterclockwise rotation for the fitting section 27 as the supporting point.

[0069] Under the present circumstances, piece edge of lid 22a which is separated by slot 22b and hinged on flat-surface section of body 26a by hinge regions 25 and 25 so that it may see to drawing 8 a is in a quiescent state. Consequently, concentrate on the fitting section 27 (refer to drawing 13 b), and dynamic stress out of balance is made to transform hole 27e by the side of the body 21 of the fitting section 27, and is made to transform the wall-like heights 27a by the side of a lid 22 itself. That is, the configuration of the fitting section 27 wears irreversible damage.

[0070] Next, as shown in drawing 13 c, the part of the left approach of a lid 22 is gathered with a finger, and this part is pulled up strongly. Thereby, it will be pulled out more compulsorily than opening 27e, stress joins the fitting section 27 further, wall-like heights 27a of the fitting section 27 and ***** 27b, 27c, and 27d cause the further deformation of hole 27e and wall-like heights 27a, and the configuration of the fitting section 27 wears much more irreversible damage.

[0071] Thereby, the fitting condition of a body 21 and a lid 22 is canceled completely, and a lid 22 rotates clockwise focusing on a hinge region 25, and will be in the

condition which shows in drawing 13 d. Under the present circumstances, since it rotates while ***** 27b, 27c, and 27d had hung preservation tub packing 29a, preservation tub packing 29a also rotates clockwise with a lid 22, the preservation tub 23 will be in an opening condition, and extraction of a contact lens C will be attained from the preservation tub 23. The receipt preservation container 2 which became reuse impossible from the preservation tub 23 after extraction about the contact lens C is abandoned.

[0072] The 3rd example of <3rd example> this invention is one example of invention indicated by claim 4. The receipt preservation container 3 of this example consists of hinge regions 35 which connect the body 31 with which the preservation tub 33 was formed, the lid 32 with which the cleaning tank 34 was formed, a body 31, and a lid 32, as shown in drawing 14 a - drawing 14 c, drawing 15, and drawing 18 a.

[0073] In the intact condition, as for the receipt preservation container 3 of this example, the preservation tub 33 and the cleaning tank 34 are sealed with the sheet-like packing 39 (refer to drawing 18 b). That is, as shown in drawing 14 a, packing 39 is pasted up on the circumference part of the preservation tub 33, and the circumference part of a cleaning tank 34 with Adhesives P (a sketch part expresses Adhesives P). In addition, preservation liquid (not shown) is carried out at the preservation tub 33, and restoration seal of the penetrant remover (not shown) is carried out in the cleaning tank 34.

[0074] As for packing 39, preservation tub packing 39a put and cleaning tank packing 39b put on a cleaning tank 34 are connected [b / drawing 18 / tub / 33 / preservation] as one so that it may see. It is put into perforation M by the boundary line of preservation tub packing 39a and cleaning tank packing 39b, and it is constituted so that preservation tub packing 39a and cleaning tank packing 39b can be separated easily. Moreover, Holes 39d, 39d, 39d, and 39d are drilled in the periphery of preservation tub packing 39a, and Holes 39c, 39c, 39c, and 39c are drilled in the periphery of cleaning tank packing 39b, respectively.

[0075] The whole is a product made of synthetic resin, and the body 31, the lid 32, and the hinge region 35 are cast for the receipt preservation container 3 of this example as one. Although a body 31 and a lid 32 consist of thickness of abbreviation identitas, they are thin as compared with a body 31 and a lid 32 so that it may see to drawing 14 b and drawing 18 a, and have composition which hinges a body 31 and a lid 32 using the resiliency of synthetic resin. [of a hinge region 35]

[0076] As a raw material of the receipt preservation container 3, synthetic resin, such as polyethylene, polypropylene, and polyethylene terephthalate, can be used. Moreover, synthetic resin, such as polyethylene, can be used as a raw material of the sheet-like packing 39.

[0077] The body 31 and the lid 32 are making the flat-surface section 36 which continues by the hinge region 35, and the flat-surface section 36 consists of flat-surface section of body 36a, and lid flat-surface section 36b so that it may see to drawing 14 b and drawing 18 a. The flat-surface configuration is formed in flat-surface section of body 36a in the shape of [of a circle configuration] a bowl, a cleaning tank 34 is surrounded by flat-surface section 36b of a lid 32 at flange 34a of the shape of a bank of a circular ring, and, as for the preservation tub 33, the flat-surface configuration is formed in the shape of [of a circle configuration] a bowl.

[0078] It is constituted so that flange 34a may fit into the upper part of the preservation tub 33 through preservation tub packing 39a in the condition (refer to drawing 16 b) of having rotated the lid 31 by the hinge region 35, and having made close flat-surface section of body 36a of a body 31, and lid flat-surface section 36b of

a lid 32. In addition, in this condition, cleaning tank packing 39b is abandoned like the after-mentioned.

[0079] If it applies to the front end part and back end part of a lid 32 from the right end part of a body 31 so that it may see to drawing 14 a, slit-like slot 32b is drilled, and lid flat-surface section 36b and a cleaning tank 34 are surrounded by this slot 32b. Therefore, the front end and the back end of lid flat-surface section 36b are divided by this slot 32b, and form long and slender piece edge of lid 32a. This slot 32b was not drilled in lid 32 right end, but this part has connected [one] lid flat-surface section 36b and piece edge of lid 32a as bridge section 32c.

[0080] The fitting section 37 is formed in the left of the preservation tub 33 of a body 31, the front, back and the method of the right of the cleaning tank 34 of a lid 32, the front, and back. It is the holes 37d, 37e, and 37f of the configuration which connected the square as the three fitting sections 37 of a body 31 have a circular flat-surface configuration, and the three fitting sections 37 of a lid 32 are the cylindrical heights 37a, 37b, and 37c which have a beak-like projection on a head (refer to drawing 14 b, drawing 14 c, and drawing 18 a).

[0081] light-gage [of the shape of a cylinder from which the tip became spherical in the base although the cylindrical heights 37a, 37b, and 37c protruded on lid flat-surface section 36b at one] -- business -- Crevice H is drilled. Drawing of longitudinal section of cylindrical heights 37b is shown in drawing 17 (since the close condition of a lid 32 and a body 31 is shown, the upper and lower sides have been reversed). light-gage -- business -- since Crevice H is not at the core of cylindrical heights 37b, carries out eccentricity and is drilled, one side forms the thin-walled part U to which meat became thin extremely. The same of this configuration is said of the cylindrical heights 37a and 37c.

[0082] the condition (drawing 16 a --) to which the fitting section 37 made close flat-surface section of body 36a of a body 31, and lid flat-surface section 36b of a lid 32. The beak of the head of the cylindrical heights 37a, 37b, and 37c by drawing 16 b, drawing 19, and drawing 20 37d of holes, It is constituted so that the condition (refer to drawing 16 b) that fitted into 37e and 37f and flange 34a of a cleaning tank 34 fitted into the upper part of the preservation tub 33 through preservation tub packing 39a can be held.

[0083] The stop section 38 is formed in the center of abbreviation of the flat-surface section 36. The stop section 38 consists of cylindrical heights 38a which protruded on the left of the cleaning tank 34 of hole 38b and lid flat-surface section 36b which it was formed in the flat-surface section of body 36a right end, and was connected [right end] at slot 32b. Hole 38b has the flat-surface configuration of the configurations of hole 37e and abbreviation bilateral symmetry, and is connected [b / of this flat-surface configuration / square partial fang furrow section 32]. cylindrical heights 38a -- the cylindrical heights 37a, 37b, and 37c -- the same -- a head -- a beak -- having -- *** -- and -- a pars basilaris ossis occipitalis -- light-gage -- business -- Crevice H is drilled.

[0084] Cylindrical heights 38a and hole 38b are constituted so that the beak of the head of cylindrical heights 38a may be stopped by the right end base of flat-surface section of body 36a in the condition (drawing 16 a, drawing 16 b, drawing 19, drawing 20) of having made close flat-surface section of body 36a of a body 31, and lid flat-surface section 36b of a lid 32. Therefore, the fitting condition of a body 31 and a lid 32 is constituted so that it may be held by two places, the fitting section 37 and the stop section 38.

[0085] In the state of [intact] the receipt preservation container 3, restoration seal of

the preservation liquid (not shown) is carried out at the preservation tub 33, and penetrant remover (not shown) restoration seal is carried out in the cleaning tank 34. Moreover, preservation tub packing 39a and cleaning tank packing 39b are connected in perforation M, and form the sheet-like packing 39.

[0086] Drawing 21 a - drawing 22 d explains an operation of the receipt preservation container 3 of this example below. Since drawing 21 a - drawing 22 d is an explanatory view, details have been omitted suitably.

[0087] Restoration seal of the preservation liquid (not shown) is carried out at nothing and the preservation tub 33 in a series of flat-surface sections 36 which flat-surface section of body 36a and lid flat-surface section 36b followed in the intact condition, penetrant remover (not shown) restoration seal of the receipt preservation container 3 of this example is carried out in a cleaning tank 34, and the seal condition is held with the sheet-like packing 39 so that it may see to drawing 21 a.

[0088] After the wearing person of a contact lens C removes a contact lens C, first, he exfoliates from lid flat-surface section 36b, and separates and abandons cleaning tank packing 39b from perforation M, so that it may see to drawing 21 b. Since a cleaning tank 34 is opened now, a contact lens C is washed in the penetrant remover (not shown) of a cleaning tank 34. A penetrant remover (not shown) is abandoned after washing. Under the present circumstances, since the preservation tub 33 is still in a seal condition, restoration seal of the preservation liquid in the preservation tub 33 (not shown) is carried out.

[0089] Next, preservation tub packing 39a is made to exfoliate about 2/3 so that it may see to drawing 21 c, and the washed contact lens C is thrown in in the preservation liquid in the preservation tub 33 (not shown). Furthermore, a lid 32 is counterclockwise rotated focusing on a hinge region 35 like drawing 21 d, and fitting of a body 31 and the lid 32 is carried out like drawing 21 e. At this time, it rotates counterclockwise and the edge T of lid flat-surface section 36b projects at the right end of the receipt preservation container 3 whole.

[0090] Under the present circumstances, since ** arrival of the preservation tub packing 39a is carried out between flange 34a of a cleaning tank 34, and the upper part of the preservation tub 33 and it seals the preservation tub 33 so that it may see to drawing 21 d, and preservation tub packing 39a may be seen to drawing 21 e, although about [that] 2/3 has lost adhesive strength, leakage of the preservation liquid in the preservation tub 33 (not shown) is prevented certainly.

[0091] Moreover, the fitting condition of a body 31 and a lid 32 is certainly held according to a fitting operation of the above-mentioned fitting section 37, and a stop operation (refer to drawing 16 b and drawing 20) of the stop section 38. Thereby, a contact lens C is stably held in the preservation liquid (not shown) of the preservation tub 33.

[0092] Next, in case a contact lens C is reused, a finger is hung on the edge T in the condition of having projected at the right end of the receipt preservation container 3 as shown in drawing 22 a, and it pulls up strongly. thereby, the beak of the head of cylindrical heights 38a of the stop section 38 cancels of the condition (refer to drawing 16 b and drawing 20) of having been stopped at the right end of flat-surface section of body 36a, first -- having -- lid flat-surface section 36b -- bridge section 32c of a lid 32 -- as the supporting point -- counterclockwise rotation -- it is going to start (refer to drawing 22 a).

[0093] under the present circumstances, light-gage [which was drilled in the base of cylindrical heights 38a although stress concentrated on cylindrical heights 38a first] - business -- since the thinning of a part of base of cylindrical heights 38a is carried

out by Crevice H (refer to drawing 16 b), cylindrical heights 38a is fractured from this part, and, thereby, the stop section 38 wears irreversible damage (refer to drawing 22 a).

[0094] Moreover, since piece edge of lid which is separated by slot 32b so that it may see to drawing 14 a, if [the force of pulling up Edge T up further after the stop section 38 was canceled is applied], and, and is hinged on flat-surface section of body 36a by hinge regions 35 and 35 32a is in a quiescent state, stress dynamically out of balance is concentrated on the cylindrical heights 37a and 37c of the fitting section 37 next (refer to drawing 22 a).

[0095] the cylindrical heights 37a and 37c -- a pars basilaris ossis occipitalis -- light-gage -- business -- since Crevice H is drilled and the thinning of that base is carried out, this part fractures. Thereby, the configuration of the fitting section 37 wears irreversible damage in the part of the cylindrical heights 37a and 37c. Simultaneously, the condition that the beak of the head of the cylindrical heights 37a and 37c fitted into Holes 37d and 37d is canceled, a lid 32 uses bridge section 32c as the supporting point, and Edge T will be in the condition of having come floating a little (refer to drawing 22 b).

[0096] Next, as shown in drawing 22 c, the part of the left approach of a lid 32 is gathered with a finger, and this part is pulled up strongly. Thereby, all stress concentrates on cylindrical heights 37b in which the fitting section 37 remains. The beak of the head of cylindrical heights 37b is compulsorily pulled out from hole 37e into which the base was fractured since light-gage **** H was drilled in the pars basilaris ossis occipitalis (refer to drawing 16 b), and cylindrical heights 37b had also fitted. Under the present circumstances, hole 37e also deforms. That is, the fitting section 37 wears irreversible damage also in the part of cylindrical heights 37b.

[0097] Thereby, the fitting condition of a body 31 and a lid 32 is canceled completely, and a lid 32 rotates clockwise focusing on a hinge region 35, and will be in the condition which shows in drawing 22 d. Under the present circumstances, since it rotates while the beak of the head of the cylindrical heights 37a, 37b, and 37c and cylindrical heights 38a had hung preservation tub packing 39a, preservation tub packing 39a also rotates clockwise with a lid 32, the preservation tub 33 will be in an opening condition, and extraction of a contact lens C will be attained from the preservation tub 33. The receipt preservation container 3 which became reuse impossible from the preservation tub 33 after extraction about the contact lens C is abandoned.

[0098] The 4th example of <4th example> this invention is one example of invention indicated by claim 5. The receipt preservation container 4 of this example consists of hinge regions 45 which connect [c / drawing 23 a - drawing 23] a body 41, a lid 42 and a body 41, and a lid 42 as one so that it may be shown.

[0099] The body 41 and the lid 42 are connected as the flat-surface section 46, the washing preservation tub 43 is formed in the body part of the flat-surface section 46, and the disc-like heights 44 of the magnitude by which fitting is carried out to the upper part of the above-mentioned washing preservation tub 43 are formed in the lid part of the flat-surface section 46.

[0100] In the intact condition, as for the receipt preservation container 4 of this example, the washing preservation tub 43 is sealed with the sheet-like packing 49. That is, as shown in drawing 23 a, packing 49 is pasted up on the circumference part of the washing preservation tub 43 with Adhesives P (a sketch part expresses Adhesives P). In addition, the washing preservation tub 43 is filled up with washing preservation liquid (not shown).

[0101] Although the fitting section 47 and the stop section 48 are formed in the flat-surface section 46, since the configuration is the same as that of the fitting section 37 of an example 3, and the stop section 38 (refer to drawing 14 a - drawing 20), detailed explanation is omitted. Moreover, the configuration of a hinge region 45 is also the same as the configuration of the hinge region 35 (refer to drawing 14 b) of an example 3. The quality of the material as an example 3 also with the still more nearly same quality of the material can be used. Packing 49 can also use the same quality of the material as the packing 39 (refer to drawing 18 b) of an example 3.

[0102] That is, the receipt preservation container 4 of this example is what removed the cleaning tank 34 with the receipt preservation container 3 (refer to drawing 14 a - drawing 20) of an example 3, and made the preservation tub 33 the washing preservation tub 43, and is a container corresponding to the store method of the contact lens only using washing preservation liquid (not shown). Therefore, it constitutes so that the fitting seal condition (refer to drawing 23 c) which formed the disc-like heights 44 (refer to drawing 23 a and drawing 23 b) instead of flange 34a of the cleaning tank 34 in an example 3, and minded the packing 49 of a lid 42 and a body 41 may be made into a positive thing.

[0103] That is, the watertight configuration of the washing preservation tub 43 is certainly held by carrying out fitting of the disc-like heights 44 prepared in one to a lid 42 through packing 49 in the upper part of the washing preservation tub 43 of a body 41 so that it may see to drawing 23 c. In addition, the fitting condition of the fitting section 47 and the stop condition of the stop section 48 are the same as the fitting condition of the fitting section 37 of the preservation container 3 of an example 3, and the stop condition (drawing 16 a, drawing 16 b, drawing 20) of the stop section 38.

[0104] Although the process which washes a contact lens with a cleaning tank is skipped since an operation of the receipt preservation container 4 of this example does not have an independent cleaning tank, processes since then are an operation of the receipt preservation container 3 of the example 3 shown in drawing 21 c - drawing 21 e and drawing 22 a - drawing 22 d, and abbreviation identitas.

[0105] In addition, naturally the configuration which does not have the independent cleaning tank in this example is applicable also to an example 1 or an example 2.

[0106] The 5th example of <5th example> this invention is one example of invention indicated by claim 5. The receipt preservation container 5 of this example consists of the bodies 51 and lids 52 as another components, as shown in drawing 24 a - drawing 24 d. The washing preservation tub 53 is formed in the flat-surface section 55 of a body of a body 51, and the disc-like heights 54 of the magnitude by which fitting is carried out are formed in the upper part of the above-mentioned washing preservation tub 53 at the lid flat-surface section 56.

[0107] In the intact condition, as for the receipt preservation container 5 of this example, the washing preservation tub 53 is sealed with the sheet-like packing 59. That is, as shown in drawing 24 a, packing 59 is pasted up on the periphery of the washing preservation tub 53 with Adhesives P (a sketch part expresses Adhesives P). In addition, the washing preservation tub 53 is filled up with washing preservation liquid (not shown).

[0108] Although the fitting section 57 and the stop section 58 are formed in the flat-surface section 55 of a body, and the lid flat-surface section 56, since the configuration is the same as that of the fitting section 37 of an example 3, and the stop section 38 (refer to drawing 14 a - drawing 20), detailed explanation is omitted. Moreover, the quality of the material can also use the same quality of the material as

an example 3. Packing 59 can also use the same quality of the material as the packing 39 (refer to drawing 18 b) of an example 3.

[0109] That is, the receipt preservation container 5 of this example is what removed the cleaning tank 34 with the receipt preservation container 3 (refer to drawing 14 a - drawing 20) of an example 3, made the preservation tub 33 the washing preservation tub 53, also removed the hinge region 35 further and used the body 51 and the lid 52 as another components, and is a container corresponding to the store method of the contact lens only using washing preservation liquid (not shown).

[0110] Therefore, it constitutes so that the fitting seal condition (refer to drawing 25 c) which formed the disc-like heights 54 (refer to drawing 24 b and drawing 24 d) instead of flange 34a of the cleaning tank 34 in an example 3, and minded the packing 59 of a lid 52 and a body 51 like the example 4 may be made into a positive thing.

[0111] That is, the watertight configuration of the washing preservation tub 53 is certainly held by carrying out fitting of the disc-like heights 54 prepared in one to a lid 52 through packing 59 in the upper part of the washing preservation tub 53 of a body 51 so that it may see to drawing 25 c. In addition, the fitting condition of the fitting section 57 and the stop condition of the stop section 58 are the same as the fitting condition of the fitting section 37 of the receipt preservation container 3 of an example 3, and the stop condition (drawing 16 a, drawing 16 b, drawing 20) of the stop section 38.

[0112] Although the process which washes a contact lens with a cleaning tank is skipped since an operation of the receipt preservation container 5 of this example does not have an independent cleaning tank, processes since then are an operation of the receipt preservation container 3 of the example 3 shown in drawing 21 c - drawing 21 e and drawing 22 a - drawing 22 d, and abbreviation identitas.

[0113] However, since it is another components with which the body 51 and the lid 52 became independent, in the process of drawing 21 d in an example 3 to drawing 21 e, and the process of drawing 22 c to drawing 22 d, a lid 52 is not rotated by the hinge region, and it becomes the configuration gathers a lid 52 by the fingertip and it detaches [configuration] on a body 51. In addition, naturally the configuration which does not have a hinge region in this example is applicable also to the 1st example and the 2nd example.

[0114] The 6th example of <6th example> this invention is one example of invention indicated by claim 6. The receipt preservation container 6 (refer to drawing 26 a and drawing 26 b) of this example is what changed the configuration of the preservation tub 33 into the preservation tub 63 with a seal in the configuration of the preservation container 3 of the 3rd example, and the configuration of the cylindrical heights E (it corresponds to the cylindrical heights 37a, 37b, 37c, and 38a of the preservation container 3) which protrude on a lid 61 is also changed a little in connection with this. The configuration of **** is the same as the configuration of the receipt preservation container 3 of the 3rd example.

[0115] That is, the opening hole K which has about 2/3 diameter of the diameter of the preservation tub 63 is drilled in the base of the preservation tub 63 established in the body 61 in the receipt preservation container 6 of this example (drawing 26 a is a bottom view), and it is constituted so that the contact lens C in the direct preservation tub 63 can be picked out from this opening hole K (refer to drawing 32).

[0116] In the intact condition, the base of the preservation tub 63 with a seal is sealed with the abbreviation egg-shaped seal S for opening so that it may see to drawing 26 a and drawing 26 b. That is, since the seal S for opening is pasted up on the circumference part of the opening hole K of the base of the preservation tub 63 with

Adhesives P, the interior of the preservation tub 63 with a seal is in a seal condition (a sketch part expresses Adhesives P). In this case, once Adhesives P exfoliate, let them be the thing of a class which loses the original adhesive strength. In addition, the condition of carrying out fitting of a body 61 and the lid 62 to drawing 28 and drawing 30 is shown.

[0117] An operation of this example is the receipt preservation container 3 and abbreviation identitas (refer to drawing 21 a - drawing 21 e) of the 3rd example in the case of preservation of a contact lens C. however, the contact lens C -- it is going to reuse -- to a case, it sees at drawing 32 -- as -- the preservation container 6 whole -- turning over -- the base of the preservation tub 63 with a seal -- a top -- turning -- the seal S for opening -- the base of the preservation tub 63 with a seal -- all -- or what is necessary is just to make it exfoliate in part and to pick out a contact lens C from the opening hole K

[0118] Since the original adhesive strength will be lost once Adhesives P (refer to drawing 26 a) exfoliate, it is impossible to re-paste up the seal S for opening on the base of the preservation tub 63 with a seal. That is, the preservation container 6 of this example wears irreversible damage in the configuration by exfoliating the seal S for opening from the base of the preservation tub 63 with a seal.

[0119] Therefore, in this example, there is no necessity made the configuration whose fitting section or fitting section, and stop section wear irreversible damage like the 1st example - the 5th example. so, light-gage [which was prepared in the cylindrical heights E which protruded on the top face of a lid 62 in this example as shown in drawing 26 a and drawing 26 b at the cylindrical heights 37a, 37b, 37c, and 38a of the preservation container 3] -- business -- Crevice H (refer to drawing 14 a and drawing 17) is not formed.

[0120] Naturally the configuration of the preservation tub 63 with a seal in this example is applicable also to the preservation tub 13 (refer to drawing 4) of the 1st example, and the preservation tub 23 (refer to drawing 9) of the 2nd example.

[0121] The receipt preservation container 7 of the 7th example shown in <7th example> drawing 27 and drawing 29 is changed into the washing preservation tub 73 with a seal which has the opening hole K and the seal S for opening for the washing preservation tub 43 (refer to drawing 23 b) of the preservation container 4 in the 4th example on a base. therefore, the cylindrical heights E -- light-gage -- business -- it has the composition of not having a crevice. In addition, 71 is a body and 72 is a lid.

[0122] The receipt preservation container 8 of the 8th example shown in <8th example> drawing 31 is changed into the washing preservation tub 83 with a seal which has the opening hole K and the seal S for opening for the washing preservation tub 53 (refer to drawing 24 c) of the preservation container 5 in the 5th example on a base. therefore, the cylindrical heights E -- light-gage -- business -- it has the composition of not having a crevice. In addition, 81 is a body and 82 is a lid.

[0123]

[Effect of the Invention] Since the disposable receipt preservation container for contact lenses of this invention has taken a configuration from which the part of either of the configurations of a receipt preservation container wears irreversible damage over, and the reuse of a receipt preservation container of it becomes impossible as the result by using it once, the reuse of a receipt preservation container becomes impossible physically, and a wearing person does not obtain a disposable fake colander.

[0124] As the result, receipt preservation will be carried out, a biotechnology film must have been formed in a receipt preservation container new each time always, and

the contact lens is very sanitary. moreover, since it is not necessary to fill the preservation tub of a receipt preservation container with preservation liquid from a bottle (or a washing preservation tub -- washing preservation liquid) like before, time and effort is not taken, but there is also no fear of spilling preservation liquid or washing preservation liquid.

[0125] In short, by offering the receipt preservation container of a configuration of not obtaining a disposable fake colander by the limitation once, this invention is completely pure to a wearing person in respect of health, and provides him with the preservation means of a very convenient contact lens also in respect of user-friendliness.

CLAIMS

[Claim 1] The disposable receipt preservation container for contact lenses carry out having a configuration which it is a receipt preservation container for contact lenses, seal preservation of the contact lens after use is possible, and a part of configuration of the above-mentioned receipt preservation container wears irreversible damage by opening the configuration of the above-mentioned seal state of preservation on the occasion of the reuse of the above-mentioned contact lens, and becomes that the reuse of the above-mentioned receipt preservation container is impossible as the description.
[Claim 2] Are a receipt preservation container for contact lenses, and it has a cleaning tank and a preservation tub. The above-mentioned preservation tub will be sealed by the sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. A part or all of the above-mentioned sealing means wears irreversible damage by opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens. The disposable receipt preservation container for contact lenses according to claim 1 characterized by being constituted so that the reuse of the above-mentioned receipt preservation container may become impossible.

[Claim 3] It is a receipt preservation container for contact lenses, and has a washing preservation tub, and the above-mentioned washing preservation tub will be sealed by the sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. A part or all of the above-mentioned sealing means wears irreversible damage by opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens. The disposable receipt preservation container for contact lenses according to claim 1 characterized by being constituted so that the reuse of the above-mentioned receipt preservation container may become impossible.

[Claim 4] It consists of a body which has the preservation tub with which preservation liquid was enclosed beforehand, and a lid which has the cleaning tank with which the penetrant remover was enclosed beforehand. The above-mentioned sealing means consists of the fitting sections and the stop sections to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing. The above-mentioned preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The disposable receipt preservation container for contact lenses according to claim 2 characterized by being constituted so that the above-mentioned fitting section may wear irreversible damage and the reuse of the above-mentioned receipt

preservation container of it may become impossible at least among the above-mentioned fitting section and the above-mentioned stop section.

[Claim 5] It consists of the bodies and lids which have the washing preservation tub with which washing preservation liquid was enclosed beforehand. The above-mentioned sealing means consists of the fitting sections and the stop sections to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing. The above-mentioned washing preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The disposable receipt preservation container for contact lenses according to claim 3 characterized by being constituted so that the above-mentioned fitting section may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible at least among the above-mentioned fitting section and the above-mentioned stop section.

[Claim 6] It consists of a body which has the preservation tub with which preservation liquid was enclosed beforehand, and a lid which has the cleaning tank with which the penetrant remover was enclosed beforehand. It consists of seals for opening with which the above-mentioned sealing means was put on the opening hole of the fitting section to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing, the stop section, and the above-mentioned preservation tub. The above-mentioned preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned seal for opening among the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The disposable receipt preservation container for contact lenses according to claim 2 characterized by being constituted so that the above-mentioned seal for opening may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible.

[Claim 7] It consists of the bodies and lids which have the washing preservation tub with which washing preservation liquid was enclosed beforehand. It consists of seals for opening with which the above-mentioned sealing means was put on the opening hole of the fitting section to which fitting of the above-mentioned body and the above-mentioned lid is carried out through sheet-like packing, the stop section, and the above-mentioned washing preservation tub. The above-mentioned washing preservation tub will be sealed by the above-mentioned sealing means on the occasion of receipt preservation of a contact lens, and it will be in the receipt state of preservation of the above-mentioned contact lens. By opening the above-mentioned seal for opening among the above-mentioned sealing means on the occasion of the reuse of the above-mentioned contact lens The disposable receipt preservation container for contact lenses according to claim 3 characterized by being constituted so that the above-mentioned seal for opening may wear irreversible damage and the reuse of the above-mentioned receipt preservation container of it may become impossible.